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ANNUAL SUMMARY
OF
BIRTHS, DEATHS, AND CAUSES OF DEATH
IN
LONDON,
AND OTHER LARGE CITIES,
1879.

PUBLISHED BY THE AUTHORITY OF THE REGISTRAR GENERAL OF
BIRTHS, DEATHS, AND MARRIAGES IN ENGLAND.



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1880.

LONDON.

AREA.—The Area of London (the registration division so called) is 78,080 acres, or 122 square miles, including 2718 acres of the Thames; this is equal to 31,597 hectares, or 316 square kilometers. The length of the streets and roads is about 1500 miles, and their area nearly 12 square miles. The Area of London being 122 square miles is equal to a square of about 11 miles to the side. Assuming that it is crossed by straight roads at equal intervals, there would be 136 such roads, each 11 miles long and 142 yards apart. The Sewers have a length of about 2000 miles, and are equal to 182 sewers 11 miles in length, on an average 106 yards apart.

ELEVATION.—The population of London resides at a mean elevation of 39 feet (11·9 metres) above Trinity high-water mark; the elevation varying from 11 feet (3·4 metres) below high-water mark in Plumstead Marshes, to 429 feet (131 metres) above high-water mark in Hampstead.

HOUSES.—At the Census in 1871 there were within this area 417,767 inhabited houses, containing an average of 7·8 persons to a house, exactly corresponding with the proportion in 1861.

ANNUAL RATEABLE VALUE.—The Annual Rateable Value of Property in the Metropolis, in December 1879, as assessed in accordance with the Valuation (Metropolis) Act, 1869 = £24,501,410.* For Annual Rateable Value in 1871, see Table 6.

DENSITY (1871).—103 persons to a hectare; 42 persons to an acre; 26,674 to a square mile.

ANNUAL RATE OF INCREASE OF POPULATION PER CENT. . $\left\{ \begin{array}{l} 1851-61. \quad \dots 1\cdot73 \\ 1861-71. \quad \dots 1\cdot50 \end{array} \right.$

1879.

POPULATION	$\left\{ \begin{array}{l} \text{Males} \quad . \quad 1,694,741 \\ \text{Females} \quad . \quad 1,926,127 \end{array} \right\}$	TOTAL	3,620,868
(Estimated to the middle of the year.)			
BIRTHS	$\left\{ \begin{array}{l} \text{Males} \quad . \quad 67,793 \\ \text{Females} \quad . \quad 66,303 \end{array} \right\}$	TOTAL	134,096
ANNUAL RATE OF BIRTHS PER 1000 OF THE POPULATION			36·5
DEATHS	$\left\{ \begin{array}{l} \text{Males} \quad . \quad 43,693 \\ \text{Females} \quad . \quad 41,847 \end{array} \right\}$	TOTAL	85,540
ANNUAL RATE OF MORTALITY PER 1000	$\left\{ \begin{array}{l} \text{Males} \quad . \quad 25\cdot4 \\ \text{Females} \quad . \quad 21\cdot4 \end{array} \right\}$	TOTAL	23·3
EXCESS OF REGISTERED BIRTHS OVER DEATHS			48,556
ESTIMATED INCREASE OF POPULATION			43,423

* This amount represents the Annual Rateable Value of Property within the District of the Metropolitan Board of Works, as defined by the Metropolis Local Management Act, 1855 (18 & 19 Vict. c. 120.) The District of the Metropolitan Board of Works is identical with that adopted for Poor Law and Registration purposes, except that the hamlet of Penge, in Croydon District, is situated within the District of the Metropolitan Board of Works, but is excluded from Registration London; and the hamlet of Mottingham, in Lewisham District, is included with Registration London, but excluded from the District of the Metropolitan Board.

ANNUAL SUMMARY.

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LONDON,

AND OTHER LARGE CITIES,

1879.

*General Register Office, Somerset House,
30th April 1880.*

A considerable improvement has taken place in the health of London in recent years ; thus the average annual mortality to 1000 inhabitants was 24·1 in the thirty years 1841-70, whereas in the nine years 1871-9 it fell to 22·9, showing a decrease of 5 per cent. In the year 1879 the death-rate was 23·3, nearly the same as that in the previous year.

It is now more than nine years since the inhabitants dwelling on the 75,362 acres (exclusive of 2718 acres of the Thames) of the metropolitan area were enumerated, and their number can only be exactly determined when the results of the Census of 1881 are known, but in all probability the population at the middle of 1879 did not much exceed 3,620,868, having increased more than a third of a million since 1871. Such a large addition to the population of London, converting the outskirts formerly thinly populated into crowded districts, implies an increase of mortality ; any diminution, therefore, in the metropolitan death-rate since 1871 indicates that some countervailing elements have been in operation to bring about such a gratifying result, which may be justly attributed to improved sanitation. Medical and sanitary science has been skilfully utilized by the 47 medical officers appointed originally in 1858 to keep watch and ward over the public health, and through their instrumentality, supplemented by great sanitary works, thousands of untimely deaths have been prevented.

In the 53 weeks of 1879 the births in London amounted to 134,096, the deaths to 85,540 ; so the natural increase of population was 48,556, or at the rate of 131 daily.* The estimated increase of population over the previous year was 43,423, or 119 daily.

The extent of the migration of population into and out of London is unknown, but the observations on the movement of the population at the last Census show that of 3,254,260 inhabitants of London in 1871, no fewer than 1,198,684, or 37 per cent., were born elsewhere, while 436,364 persons born in London were living outside its area, and in some part of England and Wales ; thus there is a continual influx and efflux of persons born out of and in London.

* On an average there was, in London, in 1879, one birth about every four minutes, and one death about every six and a quarter minutes.

Previously to 1871 the actual increase of population greatly exceeded the *natural* increase due to the excess of births over deaths, but in recent years the natural increase has exceeded the calculated increase based on the steady growth of the population in previous years; in the last four years this excess was nearly 5000 annually.

This large natural increase of the population is remarkable, and is in some measure attributable to the lower rate of mortality since 1870; it is not improbable, therefore, that the population in recent years may be somewhat under-estimated; if this be found to be the case when the numbers are enumerated in 1881 the mortality has been slightly lower than that now calculated.

The reduction in the mortality already effected represents a saving of more than four thousand lives annually during the last nine years, but many sanitary improvements are still needed, and when the water supply is unpolluted, the air purer, local sewerage more complete, and vaccination more efficient, the circumstances of the population of this great city will be so much more favourable to health that the mortality will probably be reduced to at least as low as 20 per 1000 which, it has been laid down, the mortality of none of our towns should now exceed. A diminution of one per 1000 in the annual death-rate of the present population of London implies the saving of about 3600 lives; a reduction, therefore, from 23, the present rate, to 20, would show a saving of more than ten thousand lives annually.

The reduction in the death-rate pervades, though not in equal proportions, the five groups of registration districts of London. In the thirty years 1841-70, the annual rate was 22·8 in the West districts, 22·8 in the North districts, 25·3 in the Central districts, 26·1 in the East districts, and 24·6 in the South districts. Taken in the same order the annual rates in the nine years 1871-9 were 20·9, 22·2, 24·9, 25·0, and 22·6.* The reduction in the rate of mortality was most marked in the West and South districts, where it was 8·3 per cent., and 8·1 per cent., respectively; in the North and East districts the respective reductions were 2·6 and 3·8 per cent.; in the Central districts the fall was 1·6 per cent.

15,537 persons died by zymotic diseases, and the mortality from this class deserves especial notice.

The deaths by small-pox, which were 2544 in 1877, and 1416 in 1878, fell this year to 458, of which 298 occurred in the five Metropolitan Small-pox Hospitals; the mortality from this disease declined through the year, for the deaths were thus distributed through the four quarters: 221, 140, 63, and 34.

AVERAGE ANNUAL RATE OF MORTALITY in LONDON per 10,000 LIVING, from EIGHT PRINCIPAL ZYMOTIC DISEASES in the 30 Years 1841-70, and in the 9 Years 1871-9.

YEARS.	Eight Principal Zymotic Diseases.	Small- pox.	Measles.	Scarlet Fever.	Diph- theria.	Whooping- cough.	Fever.	Diarrhoea.	Cholera.
30 Years 1841-70	51·51	3·11	5·74	10·96		8·73	9·18	9·12	4·67
9 Years 1871-9	38·93	4·85	5·29	5·86	1·22	8·14	3·90	9·28	0·39

The above deductions are instructive, and serve both to warn and to encourage. The annual rate of mortality from small-pox in London to 10,000 living, in the thirty years 1841-70 was 3·1, but owing to the severe epidemic of 1871-2 it rose in the nine years 1871-9 to 4·9. During the recent epidemics of small-pox, conclusive evidence was recorded by the authorities of the Metropolitan Small-pox Hospitals

* In the calculation of the rates of mortality in groups of districts no correction has been made for deaths registered in the large public institutions of the Metropolis.

showing that, where the operation had been efficiently performed, vaccination proved an excellent safe-guard; indeed protection against an attack was found to be in proportion to the *efficiency* of the operation. Of measles, which was more than usually fatal, 2488 persons died in 1879, chiefly children; since 1870 the deaths from this disease fluctuated between 5998 and 652. Scarlet fever (2706), and diphtheria (592) were more fatal than usual, and together caused 3298 deaths in 1879. The annual rate from these two diseases, to 10,000 living in the thirty years 1841-70, was 11·0, whereas in the nine years 1871-9 it declined to 7·1. Whooping-cough, which was more than usually fatal in 1879, was the cause of 3000 deaths. Evidence of the improved sanitary condition of London is afforded by the reduction of the mortality by fever, the death-rate from which has been reduced from 9·2 in the thirty years 1841-70, to 3·9 in the nine years 1871-9; it was the cause of 1099 deaths in 1879, a number considerably below the corrected average. The weather during the summer of 1879 was exceptionally cold and wet, and the deaths from diarrhoea (1913) were remarkably low, being little more than half the number in the previous year. The deaths from cholera were 54, a number much below the average. A satisfactory sign of the good effects of a purer water supply is found in the decline of the death-rate by cholera from 4·67 to 10,000 living in the thirty years 1841-70 to 0·39 in the nine years 1871-9. The deaths from these eight principal diseases of the zymotic class in the thirty years were equal to 52 per 10,000 of the population; in the nine years the annual rate declined to 39 per 10,000; in the year 1879 it was 35 per 10,000. Of purpura and scurvy 158 persons died, the corrected average being 140. Alcoholism destroyed 81 lives by delirium tremens, and 134 directly by intemperance.

15,452 deaths were referred to constitutional diseases. Gout was the cause of 187 deaths, the average being 145; scrofula of 690, against an average of 600.

Local diseases caused 42,494 deaths. Of cephalitis 1342 persons died, the average being 1108. The deaths from heart diseases are increasing, and were 4523 in 1879. Bronchitis (14,212) and pneumonia (5130) were unusually fatal, the result of an exceptionally cold winter.

9016 deaths occurred from developmental diseases. The number of women who died from childbirth was 439, viz., 194 from metria, and 245 from other accidents of childbirth.

To violence 2933 deaths were ascribed: 2470 of these were referred to accident or negligence, 88 to homicide, and 372 to suicide. Of the accidental deaths 963 were by fractures and contusions, 27 by wounds, 318 by burns and scalds, 67 by poison, 311 by drowning, 556 of infants under one year of age by suffocation in bed, and 154 in other ways. The suicides were most numerous in the third quarter of the year. Of the total deaths by suicide 105 were by wounds inflicted in various ways, 70 by poison, 64 by drowning, 100 by hanging, and 33 by other means. Violent deaths have increased in London; in the ten years 1841-50, the number that occurred annually out of 100,000 persons living was 66, whereas in the nine years 1871-9 the proportion had increased to 81. The deaths by violence in the streets in 1879 were 236 (only one less than the number in the previous year), and 3399 persons were reported by the police as severely injured. Sixteen of the fatal cases were caused in one way or other by horses, and 220 by vehicles: 13 were caused by carriages, 17 by omnibuses, 18 by tram-cars, 36 by cabs, 66 by vans or wagons, 8 by drays, 57 by carts, and 5 by other vehicles. Thus more than half these deaths were caused by vans, wagons, and carts; such descriptions of vehicles require more care on the part of the drivers.

15,999 persons died in public institutions in 1879, so for every five persons who died in London one died in a workhouse, hospital, or other public institution. Of these 15,999 who thus ended their career not in their own homes, 9946 died in workhouses, 4651 in general hospitals, 497 in hospitals for special diseases, 143 in hospitals for foreigners, and 339 in lunatic asylums.

Comparing the annual rates of mortality in London at different ages in the thirty years 1841-70 with those in the eight years 1871-8, it appears that the death-rate among children under five years of age has declined 7 per cent., but the greatest proportional reduction was at the ages 5 to 10 years, and amounted to 25 per cent.

ANNUAL RATE of MORTALITY per 1000 LIVING in LONDON from ALL CAUSES at DIFFERENT AGES, 1841-78.

	ALL AGES.	0-5	5-10	10-15	15-20	20-25	25-35	35-45	45-50	55-65	65-75	75-85	85 and upwds.
30 Years 1841-70	24.1	80.2	9.7	4.4	5.7	7.3	9.8	14.9	21.9	38.6	76.3	160.1	301.8
8 Years 1871-8	22.9	74.2	7.3	3.7	5.0	6.6	9.4	14.7	21.4	38.1	72.4	151.4	292.9
Decrease per cent. }	5.0	7.5	24.7	15.9	12.3	9.6	4.1	1.3	2.3	1.3	5.1	5.4	3.0

At ages 10 to 15 years, the rate was reduced 16 per cent.; at ages 15 to 20 the reduction was 12 per cent., at ages 20 to 25 it was 10 per cent.; indeed, there was a marked reduction at every period of age, but after 25 years the reduction was not so great as in the earlier ages.

The greatest hygienic deficiency in London now is its partially polluted water supply drawn chiefly from the Thames and Lea. Dr. Frankland reports in detail on the twelve monthly analyses of the water supplied to the inhabitants of London by the eight Metropolitan Companies during the year 1879. The daily supply to London is now about 134 millions of gallons; of this, 126 millions were sometimes polluted by sewage matters—68 millions of gallons grossly, and 58 millions to a less degree—whilst only 8 millions of gallons were uniformly of excellent quality fit for dietetic purposes. The average daily water supply to each person in 1879 was 34 gallons. The estimated quantity used daily for domestic purposes in 1871 was 25 gallons to each person, and in 1879 it was 28 gallons to each person. During the year the waters of the Thames and Lea were often much polluted by organic matter, and from the quantity of carbon and nitrogen Dr. Frankland has determined the quantity of this organic matter in the waters of the respective Companies. Much filth from sewers, cesspools, and cultivated fields was swept into the river by frequent high floods, and the proportion of organic elements was greatest in the Thames water. Only once before, since these analyses have been made, has the Thames water been so much polluted, but the filtration was then much less efficient than it is now.

The Colne Valley and the Kent Companies draw their supply of pure and wholesome water from chalk wells; these deep well waters undergo a prolonged and exhaustive natural filtration so that it is almost impossible for any of the organic elements that may remain in them to be prejudicial to health. The water of the Colne Valley Company is softened by Clarke's process before distribution.

Dr. Frankland shows that the average amount of organic elements in the nine years 1868-76 in the deep well waters of the Kent Company being taken as unity, the respective amounts in the year 1879 in the waters of the Kent and Colne Valley Companies and the water of the Tottenham Local Board of Health taken from deep

wells were 1·6, 1·4, and 1·7; in the New River and East London waters taken from the River Lea the respective amounts were 3·5 and 4·3; in the waters of the different Companies taken from the Thames the proportion of organic impurity was 4·3 in the Lambeth, 4·4 in the Chelsea, 5·0 in the West Middlesex and Grand Junction, and 5·2 in the Southwark.

It is very desirable, Dr. Frankland says, both in the interests of temperance and of public health, that the delicious and wholesome water drawn from the deep wells should be substituted, as soon as possible, for that portion now drawn from polluted rivers. "This pure spring water is everywhere abundant in the Thames basin. In dry seasons, it constitutes the sole supply of the Thames and the Lea; and, even after the most protracted drought, more than 350 millions of gallons of it daily flow over the weir at Teddington, whilst a further very large volume of it joins the Thames lower down. At present the inhabitants of the Metropolis can only use this water after it has been mixed with the excrements of a large population, and used for the washing of vast quantities of filthy rags in paper mills and of linen in laundries."

This statement demonstrates that it has become a public duty to secure to the inhabitants of London an abundant supply of water from such sources as would yield the purest quality at the lowest possible cost, and scientific men are confident such sources are within reach. It is to be hoped that the want of pure water will no longer be allowed to counteract other great sanitary works, but that a satisfactory measure will be passed by the Legislature which will take the supply of this necessary of life out of the domain of profitable speculation, and transfer it to some public authority. At present the Water Companies get, on an average, 6·9 per cent. for their capital, the total paid-up capital being 12,104,258*l.*, and the balance of gross revenue over working expenditure 833,181*l.**

The meteorological conditions of the year 1879 differed considerably from their respective averages, and the weather, generally, was cold, wet, and sunless. Low temperatures were recorded in every month of the year; the rain-fall was in excess of that in the previous year, and also of the average: only 983 hours of bright sunshine were recorded at Greenwich, against 1250 hours in the previous year.

The mean of the barometrical values for the year was almost identical with the average of the preceding 38 years, but the readings were principally below the average during the first nine months of the year and above the average in the last three months, especially in December.

The mean temperature of the year was 46°·2, which was 3°·3 below the average of the previous 38 years; the mean temperature of the last three months of the year was 4°·6 below the average; the month of December was colder than any December in this century, its mean temperature being 6°·7 below the average.

The rain-fall in 1878 was heavy, 29·0 inches, but was exceeded in 1879 when 31·3 inches fell, or 6·0 inches above the average of the preceding 64 years; it rained on 185 days out of the 365. The falls of rain in the second and third quarters of the year were remarkably excessive, and measured respectively 10·3 inches, and 11·7 inches, being 4·5 and 4·4 inches above the respective average amounts of the previous 64 years. The downfall in August was 5·2 inches, and exceeded the average for the month by 2·8 inches.

The wind swept the earth at the mean velocity of 11·6 miles an hour, which is about a mile an hour above the average of thirty years.

* These results are for the last financial year ending 1st April 1879.

The frost in the week ending December 6th was very severe, the mean temperature being $27^{\circ}1$. This was followed by two or three weeks of high mortality, and the highest mortality in any week of the year occurred in that ending December 20th, when 2204 deaths were registered; the weekly average for the entire year being 1614.

The density of population in Inner London in 1879 is expressed by 26,674 persons to a square mile, whereas the density of the 913,172 inhabitants distributed over the towns and villages on the 368,414 acres of its suburbs, in the Outer Ring, was only 1586 persons to a square mile. The deaths in the Outer Ring in 1879 amounted to 15,673, and the mortality was therefore considerably lower than that in Inner London. The death-rate from the seven principal zymotic diseases in Inner London was 3·2 per 1000, and in the Outer Ring it was 1·8 per 1000, and lower by 0·8 than the rate from the same diseases in the previous year; this is chiefly attributable to a diminution in the deaths from small-pox, diphtheria, whooping-cough, and diarrhœa; the respective numbers from these diseases in 1879 were 23, 117, 475, and 303; in the previous year they were 151, 165, 527, and 706. Although the mortality in the Outer Ring, 16·3 per 1000, is at present remarkably low, sanitary measures—especially improved systems of water supply and drainage—are greatly needed. The mortality from all causes ranged from 12·5 in Hendon and Bushey, 12·9 in Croydon, including part of Godstone, 13·6 in Bromley (part of), and 14·2 in Epsom (part of), to 20·0 in West Ham, including part of Chigwell, and 20·1 in Romford (part of). The deaths from fever in the Outer Ring were 318 in 1875, 237 in 1876, 197 in 1877, 206 in 1878, and 214 in 1879; the mortality from fever in 1879 to 10,000 of population in Inner London and the Outer Ring respectively was 2·99 and 2·31; when the great difference in the death-rates from all causes is taken into account the mortality from fever in the Outer Ring compares unfavourably with that in Inner London.

The population of Greater London, which is conterminous with the Metropolitan and City Police districts was estimated to be 4,534,040 in 1879, and the proportional number of deaths in every 1000 of this population was 22·0.

It is gratifying to observe that there has been a reduction in the mortality of the twenty large English towns; the annual mortality in the five years 1871–5 was 24·8 per 1000; it fell in the four years 1876–9 to 23·4.

In two of these towns, Portsmouth 18·8, and Brighton 19·6, the annual mortality in the four years 1876–9 was below the rate (20 per 1000), which the mortality of large towns should not exceed. The annual mortality in these four years exceeded 20 per 1000, but was below the average of the twenty towns, in Bristol 21·7, Nottingham 21·7, Leicester 21·8, Norwich 22·4, Bradford 22·4, London 22·8, Hull 22·8, Sunderland 22·8, Plymouth 22·9, Sheffield 23·1, and Newcastle-on-Tyne 23·2; but the rate exceeded this average in Wolverhampton 23·5, Leeds 23·5, Birmingham 23·7, Oldham 24·4, Salford 26·0, Liverpool 27·7, and Manchester 27·9.

Fifty large town districts are represented by entire registration districts, sub-districts, or groups of districts, and although they are not conterminous with the municipalities they are taken to represent, the death-rate approximately indicates the sanitary condition of the several towns. In the four years 1876–9 their annual mortality was equal to 21·9. In fifteen of them the mortality, during this period, did not exceed 20 per 1000, Dover 16·3, Middlesbrough 17·4, Rochester and

Chatham 17·5, Barrow-in-Furness 18·0, Hastings 18·1, Cheltenham 18·3, Maidstone 18·6, Reading 18·9, Yarmouth 19·0, Colchester 19·1, Merthyr Tydfil 19·1, South Shields 19·2, Oxford 19·5, Cambridge 19·7, and Cardiff 19·7. The following town districts considerably exceeded the average of the fifty: Dudley 23·4, Worcester 23·5, Exeter 23·6, St. Helens 24·0, Bolton 24·2, Macclesfield 24·9, Bury 25·8, Blackburn 26·4, Wigan 26·9, Stockport 28·6, Preston 29·3, and Ashton-under-Lyne 29·5.

The average mortality in 1879 in the three Indian cities was 33·6 per 1000; in Calcutta it was 30·5, in Bombay 34·9, in Madras 34·4: the mortality from zymotic diseases in these three cities, although high, was considerably lower than in the two previous years. In Alexandria the mortality was 38·6.

In the twenty-one European cities the average mortality was 29·3; it was below the average in Christiania 17·5, Stockholm 21·6, Geneva 22·0, Amsterdam 24·0, The Hague 24·1, Dresden 24·2, Paris 26·3, Rotterdam 26·3, Hamburg 26·5, Copenhagen 26·6, Berlin 27·2, Vienna 28·5, and Turin 28·9; and above the average in Brussels 29·7, Breslau 29·8, Rome 30·2, Naples 31·2, Munich 34·9, Trieste 35·5, Buda-Pesth 37·5, and St. Petersburg 40·0.

In St. Petersburg, owing to the fatal prevalence of small-pox, fever, and diarrhoeal diseases, the deaths from which were 1290, 1573, and 4038 respectively, the zymotic death-rate was 11·5 per 1000. In Munich, where diphtheria and croup caused 298 deaths, fever 237 deaths, and diarrhoeal diseases 1484 deaths, the zymotic rate was 9·3. In Berlin, where the deaths from diphtheria were 1164, from fever 390 and from diarrhoeal diseases 5278, the rate was 7·1. In Buda-Pesth, where the zymotic rate was also 7·1, small-pox, measles, diphtheria, fever, and diarrhoeal diseases were prevalent.

The average mortality in the principal cities of the United States of America was 21·6, in New York it was 25·8; in the following cities it was at or below the average, Brooklyn 20·4, Baltimore 20·3, Cincinnati 18·8, and Philadelphia 17·2.

TABLES.

TABLE 1.—Population; Persons to an Acre; Births and Deaths; Annual Birth and Death Rates; Mean Temperature and Rainfall, in the Year 1879, in London and Twenty-two other Large Towns of the United Kingdom.

CITIES AND BOROUGHES.	ESTI- MATED POPU- LATION in the middle of the Year 1879.*	PER- SONS to an Acre. (1879). †	BIRTHS in 53 Weeks ending 3rd Jan. 1880.	DEATHS in 53 Weeks ending 3rd Jan. 1880.	ANNUAL RATE per 1000 living, of						MEAN TEMPE- RATURE in 52 Weeks ending 27th Dec. 1879.	RAIN- FALL in inches in 52 Weeks ending 27th Dec. 1879.
					BIRTHS in 53 Weeks ending 3rd Jan. 1880.	DEATHS in 52 Weeks in each Year.				DEATHS in 53 Weeks ending 3rd Jan. 1880.		
						1875.	1876.	1877.	1878.				1879.
In 23 Towns of the } UNITED KINGDOM }	8,502,896	38·6	312,395	202,265	36·2	26·4	23·7	23·0	24·4	23·4	45·4	29·70
LONDON - - -	3,620,868	48·0	134,696	85,540	36·5	23·7	22·3	21·9	23·5	23·3	46·2	31·25
BRIGHTON - - -	105,608	44·9	3,198	2,033	29·3	21·9	19·6	18·7	21·2	19·0	46·4	30·76
PORTSMOUTH - - -	131,821	29·4	4,247	2,239	31·7	19·6	22·1	17·4	19·0	16·7	—	—
NORWICH - - -	85,222	11·4	2,947	1,903	34·1	24·5	21·9	21·0	24·6	22·0	—	—
PLYMOUTH - - -	74,292	53·3	2,272	1,692	31·4	20·7	22·1	21·6	25·3	22·4	44·9	42·59
BRISTOL - - -	209,947	47·2	7,639	4,493	35·8	26·9	22·6	21·8	21·4	21·1	—	—
WOLVERHAMPTON - -	75,100	22·1	2,908	1,735	38·1	24·8	23·8	24·2	23·3	22·7	43·4	30·91
BIRMINGHAM - - -	388,884	46·3	15,849	8,766	40·1	26·6	22·7	24·2	25·5	22·2	—	—
LEICESTER - - -	125,622	39·3	4,788	2,758	37·5	26·7	23·1	21·5	20·8	21·6	45·0	26·91
NOTTINGHAM - - -	169,396	17·0	6,193	3,891	36·0	26·4	22·0	21·2	21·0	22·6	44·9	27·27
LIVERPOOL - - -	538,338	103·3	21,277	14,818	38·9	27·5	27·6	26·5	29·4	27·1	45·3	28·13
MANCHESTER - - -	361,819	84·3	13,345	9,882	36·3	30·0	29·2	27·4	27·9	26·9	—	—
SALFORD - - -	177,849	34·4	7,240	4,494	40·1	23·7	23·3	25·1	25·6	24·9	—	—
OLDHAM - - -	111,318	23·9	3,912	2,451	34·6	27·0	26·0	24·2	25·8	21·7	—	—
BRADFORD - - -	191,046	26·5	6,378	4,106	32·9	27·2	23·9	21·9	22·5	21·2	44·5	27·78
LEEDS - - -	311,860	14·5	11,679	7,150	36·9	26·5	25·1	22·3	23·8	22·6	44·9	25·14
SHEFFIELD - - -	297,138	15·1	10,822	6,422	35·9	24·9	24·3	21·9	25·0	21·3	44·8	30·02
HULL - - -	146,347	40·3	5,885	3,311	39·6	27·5	22·9	21·7	24·3	22·3	44·3	28·21
SUNDERLAND - - -	114,575	41·4	4,579	2,552	39·3	22·5	21·0	22·6	25·6	21·9	46·1	26·29
NEWCASTLE-ON-TYNE	146,948	27·4	5,498	3,534	36·8	26·1	22·8	22·4	23·8	23·6	—	—
EDINBURGH - - -	226,075	53·9	7,530	4,516	32·8	23·7	20·5	21·1	22·1	19·7	43·9	—
GLASGOW - - -	578,156	95·8	20,020	12,754	34·1	23·6	25·3	24·8	24·9	21·7	45·8	—
DUBLIN - - -	314,663	31·3	9,993	11,235	31·3	27·0	25·8	28·0	29·6	35·1	46·4	28·01

NOTE.—The deaths in Birmingham, Manchester, and Bristol include paupers belonging to these cities who died in Workhouses situate outside the Municipal boundaries.

* The figures in this column, excepting those for Nottingham, Salford, Oldham, and Dublin, are the numbers enumerated at the Census in April 1871, raised to the middle of 1879 by the addition of $\frac{8}{11}$ times the annual rate of increase which prevailed between 1861 and 1871. The rate of increase of population in Nottingham, Salford, and Oldham having since 1871 exceeded that which prevailed during the ten years 1861-71, revised estimates have been adopted for those boroughs, based upon special returns of inhabited houses within those boroughs. The population of Dublin is taken as stationary at the number enumerated in April 1871.

† For density of population per acre in the several Registration Districts of London in 1871, see Table 17.

TABLE 2.—Mean Temperature, and Annual Rate of Mortality per 1000 Persons living in Twenty English Towns, in each of the 53 Weeks of 1879.

Number of week.	Weeks		MEAN TEMPERATURE AT GREENWICH.		ANNUAL RATE OF MORTALITY PER 1000 IN																			
			Fahrenheit.	Centigrade.	TOWNS.																			
					LONDON.	BRIGHTON.	PORTSMOUTH.	NORWICH.	PLYMOUTH.	BRISTOL.	WOLVERHAMPTON.	BIRMINGHAM.	LEICESTER.	NOTTINGHAM.	LIVERPOOL.	MANCHESTER.	SALFORD.	OLDHAM.	BRADFORD.	LEEDS.	SHEFFIELD.	HULL.	SUNDERLAND.	NEWCASTLE-ON-TYNE.
ENDING	YEAR (of 53 weeks ending 3 Jan. 1880.)	°	°	23.2	23.3	19.0	16.7	22.0	22.4	21.1	22.7	22.2	21.6	22.6	27.1	26.9	24.9	21.7	21.2	22.6	21.3	22.3	21.9	23.6
	March Qr. (13 weeks)	37.2	2.89	27.4	27.1	21.3	20.3	25.9	23.6	23.8	27.8	26.6	26.1	26.9	32.9	35.1	31.5	27.5	24.7	26.5	26.4	26.4	24.6	25.4
	June (13 weeks)	49.3	9.61	22.2	22.4	18.0	15.8	22.0	21.7	20.1	23.3	22.4	19.9	20.7	23.6	25.8	22.8	21.3	21.1	21.0	21.0	21.8	22.8	25.4
	Sept. (13 weeks)	58.2	14.55	18.3	18.4	16.2	13.0	17.4	17.3	16.5	16.0	16.6	18.0	17.4	21.4	20.5	19.5	17.2	16.8	18.3	16.5	16.8	19.5	20.9
	Dec. (14 weeks)	40.7	4.83	24.6	24.9	20.2	17.7	22.7	26.8	23.7	23.8	23.1	22.4	25.3	30.2	26.2	25.7	20.8	22.0	24.3	21.2	23.9	20.8	22.8
1	Jan. 4	41.4	5.22	29.1	27.4	19.8	19.8	36.1	35.8	33.1	36.8	30.1	27.0	26.8	32.9	36.6	33.4	25.3	28.1	27.9	26.0	28.9	27.3	26.3
2	" 11	28.2	-2.12	27.1	27.0	14.3	15.8	27.6	31.6	29.8	26.4	30.7	22.8	26.5	32.4	35.2	36.1	18.8	22.1	22.6	24.4	22.5	21.4	22.0
3	" 18	35.4	1.89	28.1	28.1	19.8	21.8	35.5	26.7	29.3	22.2	29.0	26.2	25.6	36.4	34.9	33.7	28.1	22.1	24.3	25.3	20.3	20.0	23.1
4	" 25	29.2	-1.56	26.2	26.1	24.7	21.0	23.9	20.4	20.9	25.0	23.8	24.9	20.3	31.4	33.6	31.7	23.0	23.2	23.4	26.7	28.5	28.7	25.2
5	Feb. 1	31.6	-0.22	26.7	26.2	21.2	18.6	22.7	16.9	20.4	22.2	27.4	19.1	29.3	35.7	34.9	28.5	26.7	19.9	24.8	25.5	30.0	23.7	28.8
6	" 8	39.8	4.34	28.4	26.5	29.6	23.8	25.1	23.2	25.4	36.1	30.3	22.0	22.2	41.3	40.4	37.8	29.5	26.2	26.4	22.5	27.8	25.5	22.4
7	" 15	43.8	6.56	25.1	23.7	20.8	16.2	25.7	19.7	25.1	20.8	25.8	21.2	20.6	35.6	40.3	32.3	19.7	21.6	24.8	21.9	21.0	24.1	19.2
8	" 22	35.8	2.12	25.5	23.2	20.2	16.6	22.7	19.0	18.4	26.4	22.8	17.0	23.4	36.1	39.0	30.5	24.6	28.8	24.9	18.3	18.5	23.2	23.4
9	Mar. 1	34.8	1.56	26.6	25.5	17.8	19.8	25.1	17.6	18.9	27.8	25.6	32.4	27.4	33.6	34.5	28.7	28.1	25.7	30.8	27.0	26.4	21.0	25.2
10	" 8	42.1	5.62	29.1	29.2	26.7	24.5	20.2	19.0	20.9	34.7	21.5	36.5	34.8	30.1	32.9	31.1	42.7	27.3	31.1	29.3	31.4	28.7	31.2
11	" 15	42.1	5.62	28.6	28.7	19.8	24.5	23.3	23.9	22.6	22.2	26.6	34.5	36.7	28.5	33.0	25.8	30.9	29.9	34.1	29.3	28.9	26.4	23.1
12	" 22	43.6	6.45	28.3	30.0	22.7	18.6	24.5	26.0	22.4	22.9	25.5	29.5	27.1	28.2	30.7	25.8	23.9	26.8	22.1	32.0	30.7	18.7	29.1
13	" 29	35.5	1.95	28.2	29.9	17.8	23.0	23.9	26.7	22.9	31.3	26.4	25.7	28.9	25.6	29.9	24.9	30.0	23.5	24.6	28.6	28.9	31.4	30.9
14	April 5	45.4	7.44	27.2	28.2	22.2	19.8	13.5	24.6	29.8	36.1	31.0	24.9	32.3	26.5	29.6	27.9	18.8	17.2	24.4	23.2	27.5	32.3	25.2
15	" 12	43.0	6.11	24.8	25.7	21.2	15.0	32.5	32.3	23.1	29.2	24.3	20.8	24.3	23.9	27.0	21.4	26.7	26.5	23.3	22.3	22.8	22.3	21.3
16	" 19	40.1	4.50	25.9	25.3	19.3	14.6	23.9	28.8	25.6	27.1	27.6	19.9	23.3	31.6	26.2	27.4	24.4	24.3	26.3	25.5	27.1	23.2	25.6
17	" 26	44.7	7.06	24.9	25.5	19.8	18.6	23.8	28.9	23.6	20.8	27.9	29.9	22.2	23.6	28.8	26.4	24.9	17.2	21.8	24.8	21.4	24.6	27.0
18	May 3	43.9	6.61	23.4	23.8	21.7	18.2	23.9	27.4	17.4	23.6	25.1	24.9	20.6	23.7	28.3	23.8	21.6	23.5	18.6	22.5	23.2	22.0	25.7
19	" 10	43.1	6.17	22.4	22.8	15.8	19.0	12.9	21.9	19.1	27.1	20.4	20.8	21.6	22.3	24.8	23.8	25.3	16.7	24.1	23.5	19.6	26.7	29.3
20	" 17	47.9	8.83	22.4	22.1	15.8	15.0	23.5	13.9	22.9	22.2	21.5	18.3	16.6	23.3	26.2	24.9	23.5	22.8	16.9	24.3	23.0	26.6	27.6
21	" 24	53.7	12.06	21.4	21.6	16.3	18.2	25.1	19.0	17.4	22.9	23.1	17.0	20.0	23.8	24.1	24.6	18.8	18.8	18.6	19.9	23.9	21.0	23.4
22	" 31	51.7	10.95	20.5	20.6	14.8	16.2	22.7	15.4	16.9	17.4	18.8	15.8	22.2	26.2	24.4	19.4	24.9	23.3	17.6	16.9	24.4	22.8	27.7
23	June 7	54.7	12.61	19.7	19.5	16.3	11.9	20.2	14.7	19.9	17.4	21.3	22.2	19.7	21.0	22.2	18.5	23.3	23.2	21.1	17.2	16.8	17.8	20.6
24	" 14	57.3	14.06	19.7	19.5	21.2	15.0	19.0	15.4	12.9	18.1	18.1	15.8	21.6	22.8	24.8	18.6	24.1	21.3	19.4	20.0	11.8	21.9	29.8
25	" 21	58.4	14.66	18.5	19.0	16.3	11.5	22.0	11.2	21.6	17.4	17.2	13.7	12.3	19.4	25.7	19.1	11.3	20.2	15.4	18.1	21.7	18.2	21.7
26	" 28	56.5	13.61	18.3	18.3	14.3	12.7	16.5	18.3	16.4	23.6	15.5	15.0	12.3	22.2	19.0	21.1	15.0	18.6	19.6	16.3	13.4	24.6	24.9
27	July 5	56.5	13.61	17.9	17.4	15.3	9.5	22.0	19.7	15.9	15.3	17.8	13.7	15.1	21.2	22.1	17.6	18.8	19.9	17.2	17.4	13.0	18.7	27.0
28	" 12	56.0	13.33	17.6	17.0	13.3	15.4	16.5	16.9	19.4	17.4	16.9	20.3	16.3	18.6	20.2	19.9	13.1	20.5	15.9	14.8	21.4	20.0	25.2
29	" 19	58.4	14.66	17.1	17.2	12.8	13.5	17.8	11.2	21.5	16.7	16.0	16.2	14.5	14.5	19.6	19.6	19.1	17.4	14.8	16.7	17.7	16.0	14.1
30	" 26	57.4	14.11	17.6	17.4	20.8	10.3	12.9	19.7	14.7	19.5	16.5	19.5	14.2	18.6	20.8	17.3	20.6	18.6	16.7	17.6	15.3	21.4	18.5
31	Aug. 2	64.0	17.78	18.3	19.4	17.3	11.9	15.9	21.1	13.7	20.2	17.3	15.8	15.4	16.2	18.9	19.1	21.1	17.5	16.7	19.7	17.8	15.5	18.5
32	" 9	59.5	15.28	18.7	17.6	16.3	10.3	17.1	18.3	14.4	14.0	16.0	12.9	16.6	19.6	18.0	19.7	19.7	17.2	19.2	14.2	14.3	26.9	21.3
33	" 16	63.1	17.28	18.4	19.4	10.4	16.6	14.7	18.8	16.6	11.1	18.4	20.8	19.7	21.6	21.8	19.4	18.3	17.5	16.7	15.6	17.7	11.6	18.9
34	" 23	58.7	14.38	18.1	19.1	11.7	13.1	19.0	17.6	15.4	14.7	14.1	19.1	15.1	19.7	17.6	20.5	16.4	15.0	19.6	15.8	14.6	18.2	18.8
35	" 30	58.4	14.66	19.3	20.0	13.3	11.1	16.5	21.1	14.7	12.5	17.5	19.5	17.2	21.6	22.9	19.1	11.4	15.3	22.9	17.6	17.1	16.8	19.9
36	Sept. 6	56.8	13.78	19.2	20.1	16.3	11.5	26.3	21.8	14.4	16.7	16.4	22.8	18.8	24.0	19.0	17.6	16.9	15.0	17.4	14.2	16.6	22.8	17.4
37	" 13	57.6	14.23	19.7	18.2	19.3	17.4	20.2	18.7	14.7	16.7	15.8	31.2	16.5	18.9	16.9	19.1	14.1	15.6	16.4	16.5	17.8	22.3	21.3
38	" 20	57.6	14.23	19.4	19.7	14.8	11.5	12.2	16.2	16.7	15.3	16.5	20.8	15.7	26.5	19.9	22.6	19.2	16.1	19.6	18.1	17.1	20.5	24.5
39	" 27	53.1	11.73	18.8	17.2	25.7	17.0	15.3	18.3	16.9	19.5	18.4	16.2	25.6	25.9	25.8	22.0	13.1	17.5	19.7	16.2	19.3	19.6	17.4
40	Oct. 4	54.5	12.50	19.9	19.0	15.8	15.0	22.0	22.5	13.4	19.5	19.1	15.4	15.7	26.5	25.5	26.1	17.4	24.0	15.7	19.0	22.1	18.2	20.6
41	" 11	51.5	10.84	19.5	19.7	18.3	16.2	18.4	16.2	21.7	14.6	16.4	15.4	20.3	24.5	24.1	33.5	18.3	18.0	18.7	16.8	16.8	19.9	17.4
42	" 18	45.0	7.22	20.9	21.6	12.4	12.7	25.7	19.7	16.2	13.9	18.1	19.5	19.4	25.8	22.2	22.6	18.3	22.1	18.1	22.5	23.2	19.1	17.0
43	" 25	49.4	9.66	22.1	22.5	21.7	16.2	19.6	21.8	15.1	17.4	16.6	30.3	18.7	22.2	26.6	23.4	24.9	17.8	22.3	19.7	22.2	12.2	31.3
44	Nov. 1	46.6																						

TABLE 3.—Deaths in 20 large English Towns in the 53 Weeks ending 3rd January 1880.
(Estimated aggregate population in middle of 1879, 7,383,999; viz., 3,620,868 in London, and 3,763,131 in the 19 other Towns; see Table 1.)

BOROUGHES, &c. (Municipal Boundaries for all except LONDON.)		DEATHS from ALL CAUSES.	The DEATHS registered in the 53 Weeks included											Inquest Cases.	In Public Institutions.
			Deaths of		Deaths from										
			Infants under 1 Year of Age.	Persons Aged 60 Years and up- wards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhoea.	Violence.			
In 20 Towns - -	173,760	41,512	37,058	461	4336	6307	970	5512	2194	4100	5783	10438	26,838		
LONDON - - - -	85540	19810	19843	458	2488	2706	592	3000	1099	1913	2933	5500	15854		
BRIGHTON - - -	2033	414	604	-	27	16	3	53	11	52	60	92	325		
PORTSMOUTH - -	2239	481	591	-	10	11	6	10	65	49	82	152	260		
NORWICH - - - -	1903	470	598	-	46	32	9	25	28	52	38	110	198		
PLYMOUTH - - -	1692	320	487	-	46	14	25	24	22	33	49	110	147		
BRISTOL - - - -	4493	1109	1162	-	75	90	4	176	39	71	126	304	616		
WOLVERHAMPTON	1735	433	451	-	53	17	4	18	9	53	55	94	339		
BIRMINGHAM - -	8766	2396	1740	1	167	311	73	381	85	238	416	717	1255		
LEICESTER - - -	2758	888	595	-	62	87	10	58	22	85	68	188	312		
NOTTINGHAM - -	3891	1001	1000	1	73	180	1	68	42	93	106	234	337		
LIVERPOOL - - -	14818	3458	2286	-	478	742	70	242	254	409	630	709	2305		
MANCHESTER - -	9882	2201	1840	1	137	336	48	431	76	234	322	799	1666		
SALFORD - - - -	4494	1229	709	-	139	203	23	144	61	144	125	222	491		
OLDHAM - - - -	2451	615	431	-	10	138	15	58	25	42	58	64	208		
BRADFORD - - -	4106	956	810	-	86	181	20	67	44	69	82	136	323		
LEEDS - - - - -	7150	1879	1350	-	203	281	20	236	81	240	178	362	606		
SHEFFIELD - - -	6422	1657	1098	-	105	356	17	296	91	180	129	202	620		
HULL - - - - -	3311	789	728	-	38	78	15	91	53	70	109	128	353		
SUNDERLAND - -	2552	609	536	-	1	246	11	46	30	68	87	144	212		
NEWCASTLE-ON-TYNE -	3524	797	699	-	92	282	4	88	57	60	130	171	406		

TABLE 4.—Analysis of the Mortality in 20 large English Towns in the 53 Weeks ending 3rd January 1880.

BOROUGHES, &c.	ANNUAL RATE OF MORTALITY per 1000 living at all Ages.			DEATHS under 1 Year to 1000 Births Registered.	ANNUAL RATE OF MORTALITY per 1000 living.		PER-CENTAGE, TO TOTAL DEATHS, OF DEATHS REGISTERED	
	ALL CAUSES.	SEVEN ZYMOTIC DISEASES.	VIOLENCE.		Aged 1 to 60 Years.	Aged 60 Years and upwards.	From Certificate of the Coroner. (Inquests.)	In Public Institutions.
In 20 Towns - -	23.2	3.2	0.77	151	13.9	83.6	6.0	15.4
LONDON - - -	23.3	3.3	0.80	148	13.9	84.6	6.4	18.5
BRIGHTON - - -	19.0	1.5	0.56	129	10.6	72.2	4.5	16.0
PORTSMOUTH - - -	16.7	1.1	0.61	113	9.6	75.3	6.8	11.6
NORWICH - - -	22.0	2.2	0.44	159	11.0	71.2	5.8	10.4
PLYMOUTH - - -	22.4	2.2	0.65	135	13.2	77.8	6.5	8.7
BRISTOL - - -	21.1	2.1	0.59	145	11.6	77.5	6.8	13.7
WOLVERHAMPTON - -	22.7	2.1	0.72	149	12.3	104.1	5.4	19.5
BIRMINGHAM - - -	22.2	3.2	1.05	151	12.8	87.1	8.2	14.3
LEICESTER - - -	21.6	2.5	0.53	185	11.1	74.2	6.8	11.3
NOTTINGHAM - - -	22.6	2.7	0.62	162	12.2	79.8	6.0	8.7
LIVERPOOL - - -	27.1	4.0	1.15	163	18.0	88.0	4.8	15.6
MANCHESTER - - -	26.9	3.4	0.88	165	17.3	98.9	8.1	16.9
SALFORD - - -	24.9	4.0	0.69	170	15.4	79.1	4.9	10.9
OLDHAM - - -	21.7	2.5	0.51	157	13.6	73.8	2.6	8.5
BRADFORD - - -	21.2	2.4	0.42	150	13.1	85.9	3.3	7.9
LEEDS - - -	22.6	3.3	0.56	161	13.6	81.2	5.1	8.5
SHEFFIELD - - -	21.3	3.5	0.43	153	13.2	78.1	3.1	9.7
HULL - - -	22.3	2.3	0.73	134	13.3	77.4	3.9	10.8
SUNDERLAND - - -	21.9	3.5	0.75	133	13.3	81.7	5.6	8.3
NEWCASTLE-ON-TYNE -	23.6	3.9	0.87	145	14.9	85.8	4.9	11.5

TABLE 5.—LONDON, 1871. Of the **3,254,260** enumerated Inhabitants, the **Number of each Sex** born in LONDON, and the **Number born elsewhere.**

	MALES.			FEMALES.			EXCESS OF FEMALES.		
	Under 20 Years of Age.	20 Years and upwards.	TOTAL.	TOTAL.	Under 20 Years of Age.	20 Years and upwards.	TOTAL.	Under 20 Years of Age.	20 Years and upwards.
TOTAL INHABITANTS	680,353	842,793	1,523,151	1,731,109	708,690	1,022,419	207,958	28,332	179,626
BORN IN LONDON -	576,659	398,802	975,461	1,080,115	590,370	489,745	104,654	13,711	90,943
BORN OUT OF LONDON	103,699	443,991	547,690	650,994	118,320	532,674	103,304	14,621	88,683

Note.—The enumerated Population of London in 1871 included 2,055,576 of both sexes born in London and 1,198,684 in elsewhere. Of those under 20 Years of Age 1,167,029 were born in London, 222,019 were born elsewhere; of those aged and upwards 888,547 were born in London, 976,665 were born elsewhere.

TABLE 6.—Area, Population, Inhabited Houses, Rateable Value of GREATER LONDON, 1871.

	AREA (including Tidal Water).		Enumerated POPULATION, 1871.	DENSITY OF POPULA- TION in 1871.		INHABITED HOUSES, 1871.	RATEABLE VALUE, 1871.*
	In Acres.	In Square Miles.		Persons to an Acre.	Persons to a Square Mile.		
GREATER LONDON -	446,494	698	3,885,641	8·7	5,567	528,804	£ 23,177,380
INNER LONDON -	78,080	122	3,254,260	41·7	26,674	417,767	19,796,257
OUTER RING -	368,414	576	631,381	1·7	1,096	111,037	3,381,123

* The Rateable Value of London in 1871 was furnished by the Local Government Board.

TABLE 7.—Population; Births and Deaths in GREATER LONDON (THE METROPOLITAN AND CITY POLICE DISTRICTS), during the 53 Weeks ending 3rd January 1880.

	Estimated POPULATION, middle of 1879.	ANNUAL RATE per 1000 living.			TOTAL BIRTHS.	TOTAL DEATHS.	The DEATHS registered in the 53 Weeks include										
		Births.	Deaths.	Seven Zymotic Diseases.			Deaths of		Deaths from								Deaths in Public Institutions.
							Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Fever.	Diarrhea.		
GREATER } LONDON	4,534,040	35·6	22·0	3·0	163,872	101,213	23,423	23,593	481	2719	3036	709	3475	1313	2216	17820	
INNER LONDON	3,620,868	36·5	23·3	3·2	134,096	85,540	19,810	19,343	458	2488	2706	592	3000	1099	1913	15854	
OUTER RING -	913,172*	32·1	16·0†	1·8	29,776	15,673	3,613	4,250	23	231	330	117	475	214	303	1966	

* The Population of the Outer Ring is estimated by deducting the estimated Population of Inner London from that of Greater London calculated in accordance with the rate of increase which prevailed between 1861 and 1871.

† The Death-rate in the Outer Ring corrected for the deaths in the three Middlesex County Lunatic Asylums (see Table 9.) was equal to 16·3 per 1000.

TABLE 3.—Population; Births and Deaths during 1879 in Fifty large Town Districts.

District Num- bers.	TOWNS.	ESTIMATED PO- PULATION in the middle of the Year 1879.*	REGISTERED during the Year 1879.		ANNUAL RATE to 1000 living during the Year 1879.			DEATHS under One Year to 1000 Births registered.	DISTRICTS and SUB-DISTRICTS, taken as approximately representing the several Towns.
			Births.	Deaths.	Births.	Deaths.	Seven Zoned Districts.		
	TOTAL of 50 TOWNS -	2,910,565	103,732	61,963	35.6	21.3	2.6	144	{ Total of the under-mentioned Districts and Sub-districts.
	II.—SOUTH EASTERN COS.								
45	Rochester and Chatham P -	65,987	2098	1167	31.8	17.7	1.1	117	Entire District of Medway.
49	Maidstone - - - M† -	29,148	959	555	32.9	19.0	1.3	142	West and East Sub-districts.
63	Dover - - - M -	38,604	1192	667	30.9	17.3	1.4	91	Entire District. [Sub-districts.
67	Hastings - - - M† -	39,870	1192	732	29.9	18.4	1.1	110	All Saints and St. Mary-in-the-Castle
96	Southampton - - M† -	52,255	1761	940	33.7	18.0	0.9	103	Entire District.
118	Reading - - - M† -	41,093	1489	784	36.2	19.1	2.0	122	Entire District.
	III.—SOUTH MIDLAND COS.								
149	Oxford - - - M -	44,233	1479	771	33.4	17.4	1.0	116	{ Entire District, and St. Clement Sub-district of Headington.
159	Northampton - - M† -	57,197	2231	1091	39.0	19.1	1.7	138	St. Giles & All Saints Sub-districts.
178	Cambridge - - - M -	33,536	932	652	27.8	19.4	0.9	144	Entire District.
	IV.—EASTERN COUNTIES.								
195	Colchester - - - M -	28,633	898	538	31.4	18.8	1.3	116	Entire District.
213	Ipswich - - - M -	47,414	1700	1040	35.9	21.9	1.9	129	Entire District.
219	Yarmouth - - - M† -	50,557	1631	849	32.3	16.8	1.6	134	{ Entire District and Gorleston Sub-district of Mutford.
	V.—SOUTH WESTERN COS.								
272	Exeter - - - M† -	37,192	1120	785	30.1	21.1	1.5	145	Entire District.
279	Devonport - - - M -	49,449	1454	1042	29.4	21.1	3.0	135	Entire District of Stoke Damerel.
317	Bath - - - M† -	54,582	1370	1130	25.1	20.7	2.1	122	{ Bathwick, Abbey, Lyncombe, Wal- cot, and Lansdown Sub-districts.
	VI.—WEST MIDLAND COS.								
335	Cheltenham - - - M† -	43,857	1110	723	25.3	16.5	0.5	100	Cheltenham Sub-district.
351	Shrewsbury - - - M -	28,526	869	664	30.5	23.3	2.5	143	{ St. Mary and St. Chad sub-dis- tricts of Atcham.
364	Stoke-upon-Trent - P -	172,320	6536	3786	37.9	22.0	2.5	178	{ Entire Dis. of Stoke-on-Trent & Tun- stall & Burslem Sub-ds. of Wolstanton.
373	Walsall - - - M† -	57,994	2366	1253	40.8	21.6	3.8	152	Bloxwich & Walsall Sub-districts.
374	West Bromwich - Impt. D† -	53,639	2285	1251	42.6	23.3	4.2	167	South-west and North-east Sub-ds.
375	Dudley - - - M† -	49,511	2004	1059	40.5	21.4	3.9	151	Dudley Sub-district.
380	Worcester - - - M -	33,661	1076	730	32.0	21.7	1.4	156	Entire District.
393	Coventry - - - M -	41,841	1481	912	35.4	21.8	2.1	155	Entire District.
	VII.—NORTH MIDLAND COS.								
421	Lincoln - - - M† -	36,929	1565	853	42.4	23.1	2.5	140	Home Sub-district.
438	Derby - - - M† -	73,497	2943	1963	40.1	26.7	5.2	137	Entire District.
	VIII.—NORTH WESTERN COS.								
445	Stockport - - - M† -	58,937	2419	1685	41.0	28.6	2.9	161	{ Heaton Norris, and Stockport 1st and 2d Sub-districts.
446	Macclesfield - - - M† -	33,734	1201	821	35.6	24.3	2.2	132	{ East and West Macclesfield and Sutton Sub-districts.
452	Chester - - - M† -	51,303	1552	1144	30.3	22.3	3.4	137	Castle and Cathedral Sub-districts.
454	Birkenhead - - - M -	78,719	3024	1804	38.4	20.4	3.2	121	Birkenhead and Tranmere Sub-districts.
457	St. Helen's - - - M† -	52,569	2415	1254	46.1	23.6	5.9	131	St. Helen's Sub-dist. of Prescot.
459	Wigan - - - M† -	45,172	2039	1130	45.1	25.0	2.9	159	Wigan Sub-district.
462	Bolton - - - M† -	91,741	3151	2118	34.3	23.1	3.4	177	{ Little, Eastern, and Western Bolton Sub-districts.
468	Bury - - - M† -	48,526	1852	1219	38.2	25.1	2.7	150	{ South and North Bury, and Elton Sub-districts.
468	Ashton-under-Lyne - M† -	31,441	1232	823	39.2	26.2	1.8	142	Ashton Town Sub-district.
470	Rochdale - - - M† -	82,334	2483	1741	30.2	21.1	2.5	158	{ Castleton Further & Nearer, Spot- land Nearer, Wardleworth, and Wuerdle Sub-districts.
474	Blackburn - - - M† -	89,298	3418	2090	38.3	23.4	4.0	162	Blackburn Sub-district.
476	Preston - - - M† -	87,496	3406	2543	38.9	29.1	4.6	194	{ Trinity, St. Peter, and St. John Sub-districts of Preston.
481a	Barrow-in-Furness - M -	41,331	1727	775	41.8	18.8	3.6	148	Entire District.
	IX.—YORKSHIRE.								
494	Huddersfield - - M† -	82,332	2669	1916	32.4	23.3	3.2	164	{ Almondbury, Kirkheaton, Hud- dersfield, & Lockwood Sub-dis- tricts.
495	Halifax - - - M† -	94,578	2708	2023	28.6	21.4	3.3	168	{ Southowram, Halifax, and North- owram Sub-districts.
515	York - - - M† -	60,989	2159	1447	35.4	23.7	2.2	149	{ Bootham, Micklegate, and Walm- gate Sub-districts.
532a	Middlesbrough - - M† -	57,707	2104	954	36.5	16.5	1.9	126	Middlesbrough Sub-district.
	X.—NORTHERN COUNTIES.								
551	South Shields - - M -	114,486	4135	2023	36.1	17.7	3.2	130	Entire District.
552	Gateshead - - - M† -	65,521	2548	1275	39.0	19.5	2.7	132	Gateshead Sub-district.
554	Tynemouth - - - M† -	45,533	1648	923	36.2	20.3	2.9	116	North Shields and Tynemouth Sub-dis- tricts.
569	Carlisle - - - M† -	35,675	1395	827	39.1	23.2	2.0	138	St. Cuthbert & St. Mary Sub-dis- tricts.
	XI.—MONMOUTHSH. & WALES.								
582	Newport (Monmouth) M† -	34,890	1195	531	34.3	16.9	1.1	133	Newport Sub-district.
583	Cardiff - - - M† -	84,937	3320	1558	39.1	18.3	1.6	138	Cardiff Sub-district.
585	Merthyr Tydfil - - P -	102,019	3071	1837	30.1	18.0	0.9	150	{ Lower and Upper Merthyr Tydfil, and Aberdare Sub-districts.
588	Swansea - - - M -	78,167	3115	1720	39.9	22.0	3.5	126	{ Llangafellach, Swansea, and Llan- sanel Sub-districts.

NOTE.—The letter M or P affixed to the name of each Town denotes whether the limits, which the District or Sub-districts named in the last column approximately represent, are Municipal or Parliamentary. Impt. D. signifies Improvement District.

* For method of framing these estimates see note * to Table 1. As the population of Devonport, Macclesfield, and Ashton-under-Lyne declined between 1861 and 1871, the numbers for these towns are estimated to have remained stationary since 1871. The estimates of the present population of Dudley, Coventry, Wigan, Barrow-in-Furness, and Middlesbrough have been based upon local information as to the increase of the inhabited houses in these boroughs.

† The rates of mortality for these towns have been corrected by the exclusion of a proportional number of deaths occurring in County Hospitals and Lunatic Asylums, situate within the Districts or Sub-districts here taken as representing the towns, or by the exclusion or addition of a proportion of the deaths in Union Workhouses in cases where only a portion of the Union is embraced by the area taken, or where the Workhouse is situated outside that area.

TABLE 9.—LONDON—OUTER RING. Population; Births; Deaths from All Causes and from the Seven Zymotic Diseases; and the Annual Rate of Mortality during the 53 Weeks ending 3rd January 1880.

DISTRICTS AND SUB-DISTRICTS.	ESTIMATED POPULATION in the middle of the Year 1879.	BIRTHS.	DEATHS.	DEATHS from Seven Zymotic Diseases.	ANNUAL RATE per 1000 living.		
					Births.	Deaths.	Seven Zymotic Diseases.
LONDON—OUTER RING	913,172	29,776	15,673	1693	32.1	16.3	1.8
EPSOM (<i>part of</i>)	31,522	851	705	54	26.6	14.2	1.7
CROYDON and <i>part of</i> GODSTONE	139,796	3605	1836	171	25.4	12.9	1.2
KINGSTON (<i>part of</i>)	78,833	2311	1176	97	28.9	14.7	1.2
RICHMOND	34,914	909	534	83	28.2	16.5	2.3
BROMLEY (<i>part of</i>)	45,260	1368	625	78	29.8	13.6	1.7
BEXLEY	27,845	754	412	57	26.6	14.6	2.0
STAINES	24,937	751	403	58	29.6	16.1	2.3
UXBRIDGE	28,169	822	611	54	28.7	16.5	1.9
BRENTFORD	97,931	3180	1772	203	32.1	18.0	2.0
HENDON and BUSHEY	72,316	1920	912	75	26.1	12.5	1.0
BARNET and <i>part of</i> HATFIELD	32,652	899	708	41	27.1	14.4	1.2
EDMONTON	116,002	4208	2216	264	35.7	19.0	2.2
WEST HAM and <i>part of</i> CHIGWELL	165,741	7367	3360	407	43.8	20.0	2.4
ROMFORD (<i>part of</i>)	17,254	732	353	52	41.7	20.1	3.0

Note.—In estimating the population of these Districts, upon which the birth and death-rates have been calculated, it has been assumed that the rate of increase in Greater London since 1871 has been the same as that which prevailed between 1861 and 1871; the estimate for the Outer Ring is obtained by the deduction of the estimated population of Inner London from that of Greater London. The estimates for the suburban districts have been adjusted to cast to the estimated total of the population of the Outer Ring, obtained in the manner above described. In calculating the rates of mortality for the above Table, a proportion of the deaths recorded in the three Middlesex County Lunatic Asylums, situated in the Districts of Epsom, Uxbridge, and Barnet, has been excluded as belonging to the Middlesex portion of Registration or Inner London, and the remainder distributed among the Middlesex Districts in the Outer Ring.

TABLE 10.—Births and Deaths in 1879 in 30 Foreign Cities.

CITIES.	POPULATION (enumerated or estimated).	BIRTHS.	DEATHS.	ANNUAL RATE per 1000 Persons living.		DEATHS FROM SEVEN ZYMOTIC DISEASES.									
				Births.	Deaths.	Small-pox.	Measles.	Scarlet Fever.	Diphthe- ria.	Whoop- ing-cough.	Typhus & Typhoid Fever.	Diarrhoeal Diseases.			
CALCUTTA	429,545	-	13,367	-	30.5	818	8	-	9	20	532	2785			
BOMBAY	644,405	-	22,471	-	34.9	478	642	?	?	?	0	2837			
MADRAS	397,552	16,153	13,661	40.6	34.4	912	10	?	?	?	?	1775			
PARIS	1,988,806	-	52,328	-	26.3	951	936	102	1002	?	1168	1292			
GENEVA	69,755	1,853	1,562	26.1	22.0	63	-	-	18*	3	22	?			
BRUSSELS	175,782	5,813	5,329	32.4	29.7	9	129	17	13	58	71	580			
AMSTERDAM	308,952	11,729	7,554	37.2	24.0	-	67	27	9	96	99	44			
ROTTERDAM	147,002	5,999	3,934	40.0	26.3	2	45	56	8	36	11	57			
THE HAGUE	111,016	4,503	2,731	39.8	24.1	1	39	23	11	35	19	45			
COPENHAGEN	225,000	8,443	5,991	37.5	26.6	1	291	130	79	196	63	305			
STOCKHOLM	160,921	-	3,538	-	21.6	4	-	39	13	33	66	556			
CHRISTIANIA	112,977	4,511	2,016	39.2	17.5	-	2	27	71*	10	12	239			
ST. PETERSBURGH	669,741	-	27,272	-	40.0	1290	115	331	382	109	1573	4038			
BERLIN	1,049,171	44,032	29,984	40.0	27.2	-	109	471	1164	397	390	5278			
HAMBURG (State)	417,239	17,042	11,249	40.1	26.5	-	227	455	277*	201	109	786			
DRESDEN	212,872	7,859	5,253	36.2	24.2	4	21	39	167*	45	37	?			
BRESLAU	270,000	10,714	8,187	38.9	29.8	1	7	38	56	114	146	942			
MUNICH	230,000	9,219	8,192	39.3	34.9	-	30	86	298*	54	237	1484			
VIENNA	737,285	28,471	21,438	37.9	28.5	357	197	195	705	291	196	1404			
BUDA-PESTH	323,659	13,243	12,357	40.1	37.5	402	258	99	226	100	236	972			
TRIESTE	127,873	-	4,628	-	35.5	28	1	13	104*	.70	38	358			
ROME	286,926	8,125	8,828	27.8	30.2	2	47	41	351*	5	148	614			
NAPLES	458,614	16,498	14,318	36.0	31.2	48	53	6	371	25	288	1383			
TURIN	231,647	7,140	6,817	30.2	28.9	37	15	2	204*	61	269	?			
ALEXANDRIA	212,034	8,286	8,190	39.1	38.6	16	?	4	43	327	?	?			
NEW YORK	1,097,563	-	28,833	-	25.8	25	244	1519	698	543	296	2977			
BROOKLYN	564,448	-	11,759	-	20.4	-	41	348	708	204	66	1264			
PHILADELPHIA	901,380	-	15,790	-	17.2	5	10	339	328	103	358	913			
BALTIMORE	375,000	-	7,763	-	20.3	1	41	332	299	82	169	564			
CINCINNATI	280,000	-	5,252	-	18.8	-	2	554	149	105	88	219			

* Including deaths from croup.

† Including diarrhoea, dysentery, and cholera.

TABLE 11.—Marriages, Births, and Deaths in London, in the Forty-one Years 1839-79.

YEARS.	ESTIMATED POPULATION in the middle of each Period or Year.	MARRIAGES.	BIRTHS.	DEATHS.	PROPORTION TO 1000 PERSONS LIVING.		
					PERSONS MARRIED.	BIRTHS.	DEATHS.
MEAN OF 41 YEARS.							
1839-1879	2,726,148	27,230	93,313	65,267	20·0	33·8	24·0
MEANS OF 10 YEARS.							
1841-1850	2,115,739	20,797	66,886	52,550	19·6	31·6	24·8
1851-1860	2,570,489	26,415	86,456	61,048	20·6	33·6	23·7
1861-1870	3,018,193	30,687	106,799	73,634	20·3	35·4	24·4
1871-1879 (9 years)	3,444,624	33,393	123,789	78,981	19·4	35·9	22·9
MEANS OF 5 YEARS.							
1841-1845	1,995,797	19,327	62,418	48,288	19·3	31·2	24·2
1846-1850	2,235,680	22,266	71,354	56,811	19·9	31·9	25·4
1851-1855	2,460,130	26,233	82,444	61,167	21·3	33·5	24·8
1856-1860	2,680,849	26,597	90,468	60,923	19·8	33·7	22·7
1861-1865	2,925,268	30,117	101,292	71,090	20·7	34·9	24·4
1866-1870	3,131,119	31,257	112,305	76,178	20·0	35·9	24·3
1871-1875	3,355,926	33,149	119,058	77,204	19·8	35·5	23·0
1876-1879 (4 years).	3,555,271	33,699	129,704	81,089	19·0	36·5	22·8
1839	1,845,527	18,384	53,575	46,100	19·9	29·0	25·0
1840*	1,881,596	18,530	56,751	47,156	19·6	30·1	25·0
1841	1,918,060	18,246	58,362	46,292	19·0	30·4	24·1
1842	1,957,939	17,826	61,381	46,242	18·2	31·3	23·6
1843	1,995,872	18,669	62,134	49,477	18·7	31·1	24·3
1844*	2,033,816	20,126	64,329	51,109	19·7	31·5	25·1
1845	2,073,298	21,770	65,884	48,318	21·0	31·8	23·3
1846	2,113,535	22,272	69,882	49,450	21·1	33·1	23·4
1847	2,202,673	21,580	68,331	59,131	19·6	31·0	26·8
1848*	2,244,837	21,006	71,380	57,771	18·7	31·7	25·7
1849	2,287,302	22,119	72,612	68,755	19·3	31·7	30·1
1850	2,330,054	24,354	74,564	48,950	20·9	32·0	21·0
1851	2,373,081	26,084	78,300	55,488	22·0	33·0	23·4
1852*	2,416,367	26,474	81,250	54,638	21·9	33·5	22·5
1853	2,459,899	27,462	82,254	60,069	22·3	33·4	24·4
1854	2,503,662	26,128	84,885	73,697	20·9	33·9	29·4
1855	2,547,639	25,018	85,532	61,942	19·6	33·6	24·3
1856*	2,591,815	26,047	87,430	57,274	20·0	33·6	22·0
1857	2,636,174	25,924	89,577	59,103	19·7	31·0	22·4
1858	2,680,700	25,766	89,012	64,093	19·2	33·2	23·0
1859	2,725,374	27,263	92,909	61,860	20·0	34·1	22·7
1860*	2,770,181	27,987	93,414	62,309	20·2	33·6	22·4
1861	2,815,101	26,876	97,064	65,251	19·1	34·5	23·2
1862	2,860,117	28,839	97,850	67,371	20·2	34·2	23·6
1863	2,905,210	29,963	102,119	71,060	20·6	35·2	24·5
1864*	2,950,361	31,541	102,625	78,238	21·3	34·7	26·4
1865	2,995,551	33,364	106,803	73,531	22·3	35·7	24·5
1866	3,040,761	33,592	108,665	80,453	22·1	35·7	26·5
1867	3,085,971	31,689	112,691	70,924	20·5	36·5	23·0
1868*	3,131,160	30,607	113,937	73,798	19·5	36·3	23·5
1869	3,176,308	30,017	112,332	78,082	18·9	35·4	24·6
1870	3,221,394	30,382	113,902	77,634	18·9	35·4	24·1
1871	3,266,398	31,843	112,617	80,430	19·5	34·5	24·6
1872*	3,311,298	33,155	118,440	71,355	20·0	35·7	21·5
1873	3,356,073	33,425	119,315	75,459	19·9	35·5	22·5
1874	3,400,701	33,248	121,950	76,813	19·6	35·9	22·6
1875	3,445,160	34,072	123,266	81,964	19·8	35·8	23·8
1876*	3,489,428	34,007	127,444	77,671	19·4	36·4	22·2
1877	3,533,484	33,593	128,002	77,440	19·0	36·3	21·9
1878	3,577,304	33,742	129,184	83,695	18·9	36·1	23·4
1879	3,620,863	33,452	134,006	85,540	18·5	36·5	23·3

NOTE.—The area embraced by the Registrar General's Weekly Return, when first published in January 1840, did not include Wandsworth, Lewisham, or Hampstead. Wandsworth was added at the commencement of 1844, and Lewisham and Hampstead at the commencement of 1847. The facts (population, marriages, births, and deaths) for Wandsworth are, however, included in the figures given in the above Table for the years 1840-43, while those for Lewisham and Hampstead are not included prior to 1847. Since the commencement of 1847 the area of the Metropolitan Division, or Registration London, has corresponded with that which is still adopted.

* The rates in these years, which were leap-years, have been corrected for the difference between 366 days and the 365 days in an ordinary year. The facts for 1879 are for the 53 weeks ending 8rd January 1880.

LE 12.—Population at different Ages in London, as enumerated at the Censuses of 1851, 1861, and 1871, with the Numbers of Males and Females at the various Ages in 1871.

ALL AGES.	Under 5 Years.	5—	10—	15—	20—	25—	30—	35—	40—	45—	50—	55—	60—	65—	70—	75—	80—	85—	90—	95—	100 & upwards.
1851.																					
Population	2,362,236	293,562	243,648	216,369	213,694	241,401	226,632	201,491	164,538	144,361	110,426	97,937	63,903	59,043	36,440	26,168	13,474	6,371	2,025	553	123
1861.																					
Population	2,803,989	332,296	300,259	234,349	259,155	277,389	252,035	224,767	190,517	175,900	134,190	112,728	78,187	71,316	42,936	31,103	16,194	7,527	2,394	595	131
1871.																					
Population	3,254,260	422,629	349,686	309,658	307,075	321,585	296,884	255,089	212,398	192,556	153,728	137,249	93,370	80,895	52,338	37,810	18,710	8,894	2,822	669	139
Males	1,523,151	211,032	172,937	153,138	143,221	143,822	135,039	117,936	97,834	89,452	71,604	62,951	42,033	34,814	21,471	14,869	6,803	3,008	894	173	34
Females	1,731,109	211,597	176,719	156,520	163,854	177,763	161,845	137,123	114,564	103,104	82,124	74,298	51,317	46,081	30,917	22,941	11,907	5,886	1,928	496	105

NOTE.—In England the proportion of Females to Males in the population in 1871 was as 105 to 100; in London it was as 114 to 100 and corresponded with the proportion which prevailed at the 1861 Census. The excess of Females is especially apparent in the ages 15-20, and in each subsequent quinquennium.

TABLE 13.—Births and Deaths in London in the 52 or 53 Weeks of Fifteen Years 1865 to 1879.

YEARS.	1865	1866	1867	1868 (53 weeks)	1869	1870	1871	1872	1873 (53 weeks)	1874	1875	1876	1877	1878	1879 (53 weeks)
BIRTHS* - - -	106722	107992	112264	115744	111930	113499	112535	117200	121100	121394	122871	127015	127257	129184	134096
DEATHS* - - -	73460	80129	70588	74908	77933	77278	80332	70893	76634	76606	81513	77411	77002	83695	85540
Excess of BIRTHS over DEATHS - -	33262	27863	41676	40836	33997	36221	32203	46307	44466	44788	41358	49604	50255	45489	48556
BIRTHS - { Males	54110	54956	57402	58838	56876	58031	57034	59861	61602	61865	62674	64920	65122	65944	67793
- { Females	52612	53036	54862	56966	55054	55468	55501	57339	59498	59529	60197	62095	62135	63240	66303
DEATHS - { Males	37569	40978	36276	38390	39812	39730	40685	36401	39001	39144	41917	40001	39806	42865	43693
- { Females	35891	39151	34312	36518	38121	37548	39647	34492	37633	37462	39596	37410	37196	40830	41847
BIRTHS IN FIVE GROUPS OF DISTRICTS:—															
West - - - -	11331	11499	11244	12066	12004	13097	12665	11197	12183	12407	13371	12895	11956	13687	13880
North - - - -	16495	17301	16138	16529	17059	17394	19295	16247	16846	17268	17970	17548	18116	18824	19248
Central - - - -	9968	9770	8804	8983	9149	8748	8291	7682	8210	8118	8099	7362	7239	7367	7687
East - - - -	15881	20574	14818	16067	17506	15813	16702	15175	16702	16671	16887	15976	16396	16878	17829
South - - - -	19785	20985	19584	21263	22215	22226	23379	20592	22693	22142	25186	23630	23295	20939	26896

The births and deaths in this Table are compiled from the Weekly Returns, which embrace 364 days, and in three years 371 days; and for this reason the deaths for all the years previously to 1879 differ from the numbers in 20 Districts (see Table 17), which are, except those for 1879, derived from the returns for complete years, from 1st January to 31st December.

TABLE 14.—Annual Rate of Mortality, in the 40 Years 1840–1879, in Five Groups of Metropolitan Districts.

	LONDON.	WEST DISTRICTS.	NORTH DISTRICTS.	CENTRAL DISTRICTS.	EAST DISTRICTS.	SOUTH DISTRICTS.
Area in Square Miles -	122.0	16.8	21.0	3.5	9.3	71.4
Decennial Increase of Po- pulation per Cent., 1861–71	16.1	22.5	21.6	-12.8 (decrease).	11.9	25.2
Enumerated Population, } 1871 - - - - }	3,254,260	561,359	751,729	334,369	639,111	967,692
Density; persons to } 1841 an acre - - - } 1871	25 42	27 52	28 56	172 150	66 107	11 21
MEAN RATE OF MORTALITY PER 1000 IN 40 YEARS.						
YEARS. 1840–1879 - - -	24.0	22.4	22.7	25.2	25.8	24.2
MEANS OF 10 YEARS.						
1841–50 - - - -	24.8	23.0	22.7	24.7	26.2	26.2
1851–60 - - - -	23.7	22.6	22.2	24.4	25.1	24.4
1861–70 - - - -	24.4	22.7	23.6	26.7	26.9	23.4
1871–9 - - - -	23.0	21.2	22.3	25.1	25.0	22.7
MEANS OF 5 YEARS.						
1841–5 - - - -	24.2	22.9	22.5	24.5	25.3	24.5
1846–50 - - - -	25.4	23.1	22.8	25.0	27.1	29.8
1851–5 - - - -	24.8	23.5	22.7	25.1	25.9	26.3
1856–60 - - - -	22.7	21.7	21.7	23.7	24.4	22.4
1861–5 - - - -	24.4	22.9	23.6	27.3	26.4	23.5
1866–70 - - - -	24.4	22.5	23.7	26.2	27.4	23.3
1871–5 - - - -	23.0	21.1	22.4	25.1	25.2	22.5
1876–9 (4 years) -	22.7	20.7	21.9	24.8	24.8	22.8
ANNUAL RATE OF MORTALITY PER 1000.						
1840 - - - -	25.0	24.1	23.9	24.5	25.7	25.9
1841 - - - -	24.1	22.4	22.4	25.0	25.1	24.4
1842 - - - -	23.6	22.6	22.6	23.6	24.4	23.9
1843 - - - -	24.8	23.3	23.1	25.3	26.4	24.8
1844 - - - -	25.1	23.9	23.3	24.4	25.9	25.6
1845 - - - -	23.3	22.5	21.0	24.0	24.6	23.8
1846 - - - -	23.4	21.6	21.9	22.9	24.1	24.6
1847 - - - -	26.8	24.5	25.4	27.9	29.4	27.7
1848 - - - -	25.7	23.6	23.4	25.3	28.7	27.2
1849 - - - -	30.1	26.1	23.7	27.9	31.8	37.6
1850 - - - -	21.0	19.6	19.8	21.1	21.7	21.9
1851 - - - -	23.4	22.0	22.2	24.1	24.3	24.0
1852 - - - -	22.5	21.5	21.2	23.9	23.3	23.0
1853 - - - -	24.4	22.3	22.4	25.1	26.5	25.3
1854 - - - -	29.4	28.5	24.4	27.4	30.0	34.8
1855 - - - -	24.3	23.0	23.3	25.1	25.5	24.6
1856 - - - -	22.0	21.5	21.1	23.0	23.3	21.8
1857 - - - -	22.4	21.2	21.5	23.8	24.6	21.5
1858 - - - -	23.9	22.4	22.9	24.5	25.8	24.0
1859 - - - -	22.7	21.4	21.7	24.1	24.0	22.6
1860 - - - -	22.4	22.2	21.2	23.3	24.1	22.1
1861 - - - -	23.2	22.1	22.3	25.4	24.0	22.8
1862 - - - -	23.6	22.0	22.0	26.3	26.0	22.7
1863 - - - -	24.5	23.0	23.8	27.1	26.5	23.3
1864 - - - -	26.4	24.6	25.4	30.0	29.0	25.4
1865 - - - -	24.5	22.7	24.5	27.5	26.4	23.2
1866 - - - -	26.5	22.6	25.3	27.5	34.0	24.1
1867 - - - -	23.0	21.8	23.1	25.1	24.2	22.0
1868 - - - -	23.5	22.3	22.9	25.6	25.6	22.9
1869 - - - -	24.6	22.2	23.5	26.8	28.0	23.9
1870 - - - -	24.1	23.8	23.6	26.1	25.1	23.5
1871 - - - -	24.6	22.4	25.6	25.0	26.1	24.0
1872 - - - -	21.5	19.6	21.2	23.6	23.6	20.9
1873 - - - -	22.5	20.5	21.2	25.1	25.2	22.1
1874 - - - -	22.6	20.9	21.8	26.6	25.4	21.4
1875 - - - -	23.8	22.2	22.3	26.1	25.6	24.0
1876 - - - -	22.2	21.0	21.4	24.1	24.0	22.1
1877 - - - -	21.9	19.2	21.8	24.1	24.5	21.4
1878 - - - -	23.5	21.6	22.3	25.0	25.0	24.2
1879 - - - -	23.3	21.1	22.0	26.0	25.7	23.3
Average Number living to One Annual Death in 40 years - - -	42	45	44	40	39	41

NOTE.—The populations upon which these rates of mortality have been calculated are deduced from the numbers enumerated at the four Censuses of 1841, 1851, 1861, and 1871. The deaths used for the 39 years 1840–78 are for the complete years, while those for 1879 are the numbers registered in the 53 weeks ending 3rd January 1880; the 1879 rates have been corrected for the difference between 365.2422 days and the 371 days included in those 53 weeks.

Hampstead and Lewisham did not form part of Registration London prior to 1847. Wandsworth was not included in Registration London until the commencement of 1840, but the facts for that district have been included in calculating the rates in the above Table for the years 1840–43.

Certain alterations affecting the West and Central groups of districts were made in the year 1838, but no corrections have been made in the results given in this Table for any year prior to 1861.

TABLE 15.—Deaths REGISTERED in London at several groups of **Ages** and from different **Causes** during the 53 Weeks ending Saturday 3rd January 1880.

		During the 53 Weeks ending 3rd January 1880.								
CAUSES OF DEATH.		Annual Average for 53 Weeks, 1869-78.*	DEATHS of Persons of the Ages							80 Years and upwds.
			ALL AGES.	Under 20.			20 and under 40	40 and under 60.	60 and under 80.	
				Mean Temp. °	0-1.	1-5.					5-20.
Mean Temperature - - -		49° 5	46° 2							
ALL CAUSES - - -		84967·7	85,540	19,810	15,894	5695	10,646	14,152	16,030	3313
SPECIFIED CAUSES - - -		84661·4	85,432	19,749	15,889	5690	10,640	14,143	16,010	3311
I. ZYMOTIC DISEASES.										
ORDER 1.										
1. Small-pox - - - - -		1725·9	438	58	57	122	141	70	9	1
2. Measles - - - - -		1837·6	2483	513	1810	151	13	1	-	-
3. Scarlet Fever - - - - -		2969·0	2706	141	1674	832	55	3	1	-
4. Diphtheria - - - - -		400·7	592	37	335	193	11	10	6	-
5. Quinsy - - - - -		44·5	44	5	21	7	5	2	4	-
6. Croup - - - - -		680·6	577	91	419	67	-	-	-	-
7. Whooping-cough - - - - -		3051·2	3000	1023	1846	120	2	4	-	-
8. Typhus - - - - -		322·8	70	1	8	24	28	8	1	-
9. Enteric or Typhoid Fever (Simple Continued Fever) - - - - -		983·2	861	17	109	344	280	81	29	1
10. Erysipelas - - - - -		403·4	103	11	54	62	13	16	21	1
11. Puerperal Fever (Metria) - - - - -		441·9	244	107	13	10	23	40	43	8
12. Carbuncle - - - - -		281·4	194	-	-	10	173	11	-	-
13. Influenza - - - - -		39·1	31	-	1	-	3	13	12	3
14. Dysentery - - - - -		24·5	9	2	1	-	1	1	3	2
15. Diarrhoea - - - - -		88·5	83	11	5	1	14	10	12	-
16. Simple Cholera - - - - -		3746·6	1913	1306	332	37	11	49	148	30
17. Ague - - - - -		172·6	54	19	13	4	1	6	5	-
18. Remittent Fever - - - - -		17·7	20	1	1	1	9	3	4	1
19. Rheumatism - - - - -		13·5	10	-	-	5	2	3	-	-
20. Other Zymotic Diseases - - - - -		505·1	445	-	13	99	130	107	92	4
		29·9	30	13	12	1	-	1	2	1
ORDER 2.										
1. Syphilis - - - - -		478·3	438	344	41	3	43	23	4	-
2. Stricture of Urethra - - - - -		73·9	80	-	-	-	16	39	25	-
3. Hydrophobia - - - - -		5·1	2	-	-	1	-	1	-	-
4. Glanders - - - - -		2·6	5	-	-	4	-	1	-	-
ORDER 3.										
1. Privation - - - - -		25·4	16	1	-	1	1	3	10	-
2. Want of Breast-milk - - - - -		571·2	453	443	10	-	-	-	-	-
3. Purpura and Scourvy - - - - -		139·8	158	32	74	19	12	9	10	2
4. Alcoholism - - - - -	a Delirium Tremens	90·9	81	-	-	-	47	30	4	-
	b Intemperance - - - - -	92·8	134	-	-	-	41	74	19	-
ORDER 4.										
1. Thrush - - - - -		183·7	166	159	4	-	1	-	1	1
2. Worms, &c. - - - - -		17·9	17	-	5	2	4	5	1	-
II. CONSTITUTIONAL DISEASES.										
ORDER 1.										
1. Gout - - - - -		144·5	187	-	-	-	13	67	101	6
2. Dropsy - - - - -		558·0	298	48	26	18	23	72	86	10
3. Cancer - - - - -		1987·1	2185	1	5	10	257	1040	804	48
4. Cancerum Oris (Noma) - - - - -		20·0	17	3	7	4	1	1	1	-
5. Mortification - - - - -		195·1	209	5	3	-	5	17	127	52
ORDER 2.										
1. Scrofula - - - - -		599·5	690	234	261	105	43	28	19	-
2. Tabes Mesenterica - - - - -		1428·2	1468	827	525	86	18	8	4	-
3. Phthisis - - - - -		9301·0	8300	136	218	896	4296	2785	464	5
4. Hydrocephalus - - - - -		1591·6	1818	563	831	212	9	4	-	-
III. LOCAL DISEASES.										
ORDER 1.										
1. Cephalitis - - - - -		1107·6	1342	887	546	217	89	69	81	3
2. Apoplexy - - - - -		2320·7	2363	109	115	67	204	719	1023	181
3. Paralysis - - - - -		1680·6	1649	3	12	16	96	386	954	182
4. Insanity - - - - -		128·7	121	-	1	1	31	48	37	4
5. Chorea - - - - -		12·2	13	-	-	11	1	-	-	-
6. Epilepsy - - - - -		391·4	396	13	10	54	111	111	81	10
7. Convulsions - - - - -		2819·5	2382	2021	534	22	3	1	1	-
8. Brain Disease, &c. - - - - -		1060·2	1216	60	83	63	148	322	444	56
ORDER 2.										
1. Pericarditis - - - - -		146·8	150	3	10	44	46	29	17	1
2. Aneurism - - - - -		174·7	198	-	-	-	62	113	23	-
3. Heart Disease, &c. - - - - -		4187·4	4523	20	33	286	798	1469	1756	161
ORDER 3.										
1. Laryngitis - - - - -		486·8	559	187	214	40	31	25	12	-
2. Bronchitis - - - - -		10118·2	14212	3122	2519	187	467	2385	4774	748
3. Pleurisy - - - - -		233·3	268	4	38	30	61	90	53	2
4. Pneumonia - - - - -		4497·9	5130	1273	1566	278	665	758	528	64
5. Asthma - - - - -		580·0	560	1	3	5	57	220	261	13
6. Lung Disease, &c. - - - - -		954·3	1072	360	172	47	86	179	186	42

* These averages have been raised rather more than 7 per cent., to allow for increase of population between the middle of the period 1869-73, and the middle of 1879, and also for comparison with the deaths recorded in the 53 weeks of 1879.

Deaths from different Causes.

TABLE 15 (Continued.)—Deaths Registered in London at several groups of Ages from different Causes during the 53 Weeks ending Saturday 3rd January 1880.

CAUSES OF DEATH.		Annual Average 1869-78.*	During the 53 Weeks ending 3rd January 1880.							
			DEATHS of Persons of the Ages							
			ALL AGES.	Under 20.			20 and under 40.	40 and under 60.	60 and under 80.	80 Years and upwds.
Mean Temperature	- - -	49°5	Mean Temp. 46°2	0-1.	1-5.	5-20.				
ORDER 4.										
1. Gastritis - - - - -	- - - - -	113·1	143	51	14	8	14	39	43	4
2. Enteritis - - - - -	- - - - -	358·7	337	140	54	24	32	38	46	5
3. Peritonitis - - - - -	- - - - -	325·7	281	11	22	55	94	55	41	3
4. Ascites - - - - -	- - - - -	120·6	70	2	5	4	9	23	27	-
5. Ulceration of Intestines - - - - -	- - - - -	165·2	126	4	12	13	32	48	20	2
6. Hernia - - - - -	- - - - -	197·2	171	5	1	2	20	49	82	12
7. Ileus - - - - -	- - - - -	204·9	219	24	8	14	29	45	37	12
8. Intussusception - - - - -	- - - - -	68·1	69	24	7	10	7	7	13	1
9. Stricture of Intestines - - - - -	- - - - -	55·5	69	1	-	2	12	22	30	2
10. Fistula - - - - -	- - - - -	27·1	30	-	1	1	11	11	6	-
11. Stomach Disease, &c. - - - - -	- - - - -	395·5	441	82	27	22	47	125	128	12
12. Pancreas Disease, &c. - - - - -	- - - - -	1	1	-	-	-	-	-	-	-
13. Hepatitis - - - - -	- - - - -	208·7	193	8	2	2	37	85	55	4
14. Jaundice - - - - -	- - - - -	248·5	212	95	8	6	16	33	48	6
15. Liver Disease, &c. - - - - -	- - - - -	1114·9	1056	15	10	21	176	507	808	19
16. Spleen Disease, &c. - - - - -	- - - - -	17·8	25	3	9	-	5	6	1	1
ORDER 5.										
1. Nephritis - - - - -	- - - - -	157·0	230	7	38	50	48	58	28	5
2. Ischuria - - - - -	- - - - -	15·7	14	-	-	1	4	5	3	1
3. Bright's Disease (Nephria) - - - - -	- - - - -	718·5	718	-	15	44	185	285	184	5
4. Diabetes - - - - -	- - - - -	131·6	161	-	1	16	47	47	46	4
5. Calculus (Stone) - - - - -	- - - - -	50·3	38	-	1	1	3	11	21	1
6. Cystitis - - - - -	- - - - -	70·4	101	-	1	8	9	21	62	5
7. Kidney Disease, &c. - - - - -	- - - - -	490·1	503	6	6	23	104	150	187	27
ORDER 6.										
1. Ovarian Dropsy - - - - -	- - - - -	35·3	56	-	-	1	18	29	15	-
2. Uterus Disease, &c. - - - - -	- - - - -	254·7	208	8	3	2	53	94	51	2
ORDER 7.										
1. Synovitis (Arthritis) - - - - -	- - - - -	21·7	26	-	1	7	2	8	8	-
2. Joint Disease, &c. - - - - -	- - - - -	351·5	273	10	38	180	63	40	41	1
ORDER 8.										
1. Phlegmon - - - - -	- - - - -	171·8	163	29	23	17	27	37	81	2
2. Ulcer - - - - -	- - - - -	60·1	63	7	2	-	5	15	29	5
3. Skin Disease, &c. - - - - -	- - - - -	77·6	85	31	19	-	2	7	6	-
IV. DEVELOPMENTAL DISEASES.										
ORDER 1.										
1. Premature Birth - - - - -	- - - - -	1304·6	1398	1398	-	-	-	-	-	-
2. Cyanosis - - - - -	- - - - -	138·8	163	157	15	10	-	1	-	-
3. Spina Bifida - - - - -	- - - - -	63·7	63	65	1	2	-	-	-	-
4. Other Malformations - - - - -	- - - - -	101·4	115	109	5	1	-	-	-	-
5. Teething - - - - -	- - - - -	806·4	732	337	345	-	-	-	-	-
ORDER 2.										
1. Paramenia - - - - -	- - - - -	10·7	14	-	-	1	8	5	-	-
2. Childbirth (see Puerperal Fever) - - - - -	- - - - -	329·2	245	-	-	8	205	32	-	-
ORDER 3.										
1. Old Age - - - - -	- - - - -	2743·4	2366	-	-	-	-	-	1350	1516
ORDER 4.										
1. Atrophy and Debility - - - - -	- - - - -	3642·4	3415	2680	268	14	13	62	373	-
V. VIOLENT DEATHS, &c.										
ORDER 1.										
(ACCIDENT OR NEGLIGENCE.)										
1. Fractures and Contusions - - - - -	- - - - -	1025·3	963	25	82	115	296	250	203	50
2. Gunshot Wounds - - - - -	- - - - -	8	8	-	-	2	5	1	-	-
3. Cut, Stab - - - - -	- - - - -	33·8	19	1	1	5	6	2	4	-
4. Burns and Scalds - - - - -	- - - - -	285·1	318	26	173	45	15	20	31	8
5. Poison - - - - -	- - - - -	59·4	67	6	14	4	19	5	9	-
6. Drowning - - - - -	- - - - -	414·9	31	3	9	87	119	63	23	2
7. Suffocation - - - - -	- - - - -	553·8	630	553	53	12	13	19	10	1
8. Otherwise - - - - -	- - - - -	193·1	154	39	7	19	25	39	25	-
ORDER 3.†										
(HOMICIDE.)										
Murder and Manslaughter - - - - -	- - - - -	108·3	88	50	3	7	17	6	5	-
ORDER 4.										
(SUICIDE.)										
1. Gunshot Wounds - - - - -	- - - - -	19·6	28	-	-	1	15	8	4	-
2. Cut, Stab - - - - -	- - - - -	72·0	77	-	-	2	25	32	18	-
3. Poison - - - - -	- - - - -	52·8	70	-	-	8	32	34	1	-
4. Drowning - - - - -	- - - - -	65·4	64	-	-	5	27	24	8	-
5. Hanging - - - - -	- - - - -	76·4	100	-	-	4	27	44	25	-
6. Otherwise - - - - -	- - - - -	29·6	33	-	-	2	11	13	7	-
ORDER 5.										
(EXECUTION.)										
1. Hanging - - - - -	- - - - -	2·3	3	-	-	-	1	2	-	-
Sudden Deaths (Cause unascertained) - - - - -	- - - - -	41·0	22	9	-	-	1	3	8	1
Causes not specified or ill-defined - - - - -	- - - - -	205·3	86	52	5	5	5	6	12	1

NOTE.—Where a person is "found drowned" the coroners, as in some other cases, do not always succeed in discovering whether the death be due to suicide, murder, or accident. All such cases are classed under "accident or negligence."

* See note on preceding page.

† Order 2., comprising Violent Deaths in BATTLE, is omitted as inapplicable to the civil population.

TABLE 16.—Causes of Deaths REGISTERED in London in each of the 10 Years 1869-1878; Average 1869-1878; and Deaths REGISTERED in 1879 and in each Quarter of 1879.

Class.	MEAN TEMPERATURE -	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	50°·1	49°·7	49°·6	49°·5	46°·2	1879.			
												Annual Average 1869-78*	1879	QUARTER ENDING			
		YEARS - - - -	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878		Mar. 29	June 23	Sept. 27	Jan. 3 1880
	CAUSES OF DEATH.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	364 Days.	364 Days.	364 Days.	364 Days.	364 Days.	371 Days.	371 Days.	91 Days	91 Days	91 Days	98 Days
	ALL CAUSES -	77933	77278	80332	70893	76634	76066	81513	77411	77002	83695	84067·7	85340	24429	20248	16335	24220
	SPECIFIED CAUSES -	77406	76831	80009	70639	76355	76347	81270	77221	76851	83559	84661·4	85432	24398	20217	16606	24211
	(CLASSES.)																
I.	ZYMOTIC DISEASES	20885	20634	22878	16236	15203	15453	17559	16285	15786	18220	19466·3	15537	3266	3172	4130	4659
II.	CONSTITUTIONAL "	14442	14137	14022	13891	14378	14338	15216	14016	14818	15509	15915·0	15452	4067	3923	3170	3992
III.	LOCAL "	31334	31270	32071	29921	35343	35255	37220	34892	35512	37823	37140·7	42491	13653	9988	6500	12353
IV.	DEVELOPMENTAL "	8397	8514	8444	7983	8588	8531	8423	8243	8003	8695	9145·6	9016	2637	2144	1818	2397
V.	VIOLENT DEATHS -	2348	2376	2594	2608	2843	2770	2852	2885	2672	3310	2993·8	2233	755	690	688	800
	(ORDERS.)																
I.	1. Miasmatic Diseases -	19425	18611	21518	14750	13683	13893	15842	14681	14146	16567	17784·7	13967	2388	3100	3729	4250
	2. ENTHETIC "	549	517	417	510	503	504	549	534	519	533	559·0	545	151	131	131	132
	3. DIETIC "	710	726	778	819	832	868	969	879	936	922	920·1	842	188	206	202	246
	4. PARASITIC "	201	180	165	157	185	188	199	191	185	198	201·6	183	89	35	68	41
II.	1. DIATHETIC "	2527	2665	2506	2531	2666	2851	2741	2721	2636	2797	2904·7	2876	764	719	649	774
	2. TUBERCULAR "	11915	11772	11516	11360	11712	11487	12475	12195	12182	12712	13010·3	12576	3333	3204	2821	3218
III.	1. DISEASES OF NERVOUS SYSTEM -	8467	8647	8454	7855	8413	8831	9195	8951	9037	9454	9518·9	9682	2754	2441	1910	2577
	2. " OF ORGANS OF CIRCULATION -	3633	3649	3953	3802	4227	4297	4418	4217	4451	4705	4508·7	4871	1502	1120	946	1303
	3. " OF RESPIRATORY ORGANS -	14121	13906	14500	12985	16912	16112	17492	15615	15777	17480	16883·5	21751	7748	4876	2227	6900
	4. " OF DIGESTIVE ORGANS -	2061	3033	3047	3131	3416	3464	3495	3552	3545	3524	3616·3	3443	889	861	828	865
	5. " OF URINARY ORGANS -	1863	1294	1310	1331	1472	1505	1639	1604	1666	1718	1634·6	1765	495	440	373	457
	6. " OF ORGANS OF GENERATION -	265	235	230	259	278	284	283	260	290	276	290·0	264	74	58	61	71
	7. " OF ORGANS OF LOCOMOTION -	309	274	347	335	337	320	373	352	399	386	373·2	404	93	120	87	104
	8. " OF INTEGUMENTARY SYSTEM -	224	232	230	223	238	352	325	341	347	332	315·5	314	98	72	63	76
IV.	1. DEV. DIS. OF CHILDREN	2118	2099	2205	2037	2100	2174	2343	2310	2325	2458	2419·9	2476	683	649	504	640
	2. " OF ADULTS -	270	316	325	260	331	349	338	364	296	268	339·9	259	77	55	65	62
	3. " OF OLD PEOPLE	2587	2743	2643	2295	2661	2479	2462	2399	2379	2514	2743·4	2866	1010	650	453	753
	4. DISEASES OF NUTRITION	3422	3356	3271	3371	3496	3529	3280	3164	3063	3455	3642·4	3415	887	790	796	942
V.	1. ACCIDENT OR NEGLIGENCE -	1935	2195	2185	2214	2432	2415	2482	2484	2317	2916	2570·4	2470	658	560	546	706
	2. HOMICIDE -	110	106	109	125	124	97	70	96	78	78	108·3	88	21	23	20	24
	3. SUICIDE -	302	273	300	268	287	255	298	298	273	315	312·8	372	75	107	120	70
	4. EXECUTION -	1	2	..	1	..	3	2	7	4	1	2·5	3	1	..	2	..
	SUDDEN DEATHS, CAUSE UN- ASCERTAINED -	53	79	40	24	38	36	48	19	21	18	41·0	22	7	2	3	10
	CAUSES NOT SPECIFIED -	474	368	283	230	241	223	195	171	130	118	255·3	86	24	29	24	9

* See note to Table 15, p. xix.

† Order 2., comprising Violent Deaths IN BATTLE, is omitted as inapplicable to the civil population.

TABLE 16 (continued).—Causes of Deaths REGISTERED in London in each of the 10 Years

Class.	MEAN TEMPERATURE	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	50°·1	49°·7	49°·6	49°·5	46°·2	1879.				
														QUARTER ENDING				
														Mar. 29	June 28	Sept. 27	Jan. 3 1880	
YEARS	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	Annual Average 1869-78.*	1879						
CAUSES OF DEATH.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.		
I.	ORDER 1.																	
	1. Small-pox	273	958	7876	1781	115	56	75	735	2544	1416	1725·9	458	221	140	63	3	
	2. Measles	1425	1443	1431	1680	2195	1655	1427	1741	2347	1510	1837·6	2488	289	849	666	684	
	3. Scarlet Fever (Scarlatina)	5893	5998	1896	904	652	2662	3651	2297	1576	1792	2960·0	2706	454	373	645	1234	
	4. Diphtheria	343	313	313	255	306	365	546	359	317	558	400·7	592	119	161	127	185	
	5. Quinsy	33	21	29	29	44	63	42	40	42	42	44·5	44	11	13	5	15	
	6. Group	582	592	528	616	719	751	722	603	529	600	630·6	577	168	131	98	180	
	7. Whooping-cough	3755	1935	2299	3249	2680	1801	3232	2739	1780	4446	3051·2	3000	883	775	479	863	
	(Typhus Fever	724	468	398	175	284	312	128	163	159	150	322·8	70	23	16	11	20	
	8. Enteric or Typhoid Fever	1055	976	885	824	921	883	842	781	886	1010	988·2	861	207	151	183	320	
	(Simple continued Fever	635	609	463	341	344	359	312	232	204	201	403·4	168	46	38	32	52	
	9. Erysipelas	332	447	494	386	424	558	433	379	332	278	441·9	244	67	73	33	71	
	10. Puerperal Fever (Metria)	198	217	182	251	306	456	304	255	217	195	281·4	194	60	47	31	66	
	11. Carbuncle	53	23	28	38	88	86	38	40	35	23	39·1	31	8	7	8	8	
	12. Influenza	39	30	35	21	16	16	21	23	15	9	24·5	9	4	4	1	..	
	13. Dysentery	94	87	85	79	83	72	78	71	93	70	88·5	53	14	11	17	11	
	14. Diarrhoea	3400	3776	3894	3490	3879	3077	3198	3518	2479	3651	3746·6	1913	176	192	184	361	
	15. Cholera	217	235	221	175	164	122	107	131	88	123	172·6	51	2	5	41	6	
	16. Ague	23	14	19	12	17	26	18	12	13	8	17·7	20	3	7	5	5	
	17. Remittent Fever	16	10	9	18	15	15	8	11	14	13	13·5	10	2	4	1	3	
	18. Rheumatism	403	429	408	408	453	525	614	509	451	432	505·1	443	135	95	95	120	
	19. Other Zymotic Diseases	22	25	25	18	19	22	26	43	40	34	29·9	30	6	8	4	12	
II.	ORDER 2.																	
	1. Syphilis	466	463	356	435	436	423	471	436	489	461	478·3	458	123	112	109	114	
	2. Stricture of Urethra	78	51	59	72	63	70	72	89	61	63	73·9	80	25	16	22	17	
	3. Hydrophobia	3	..	1	..	1	9	6	6	16	5	5·1	2	1	..	..	1
	4. Glanders	2	3	1	3	3	2	..	3	3	4	2·6	5	2	3	..	..
	ORDER 3.																	
	1. Privation	20	27	20	14	20	15	32	27	28	80	25·4	16	5	3	3	3	
	2. Want of Breast Milk	442	479	455	525	539	592	610	519	558	520	571·2	453	103	99	105	146	
	3. Purpura and Scurvy	83	104	152	118	120	110	121	138	166	170	139·8	158	37	41	36	44	
	4. Alco-) a Del. Tremens) b Intemperance	118	70	89	86	79	71	97	84	70	70	90·9	81	15	24	26	16	
		47	46	62	76	74	80	109	111	114	132	92·8	134	28	39	30	37	
	ORDER 4.																	
	1. Thrush	187	173	146	187	168	171	185	179	167	172	183·7	166	34	32	64	56	
	2. Worms, &c.	14	7	19	20	17	17	14	12	18	26	17·9	17	5	3	4	5	
III.	ORDER 1.																	
	1. Gout	105	109	123	126	121	143	140	144	179	135	144·5	187	54	48	37	48	
	2. Dropsy	656	656	566	516	542	574	448	429	367	364	558·0	298	85	72	61	80	
	3. Cancer	1684	1677	1611	1712	1793	1929	1951	1973	1910	2086	1987·1	2165	521	528	518	598	
	4. Cancerum Ovis (Noma)	19	17	19	22	16	17	17	20	12	24	20·0	17	4	6	4	3	
	5. Mortification	163	206	187	155	194	188	185	155	168	188	195·1	209	70	65	29	45	
	ORDER 2.																	
	1. Scrofula	388	429	473	464	576	583	654	590	654	687	599·5	690	170	175	175	170	
	2. Tabes Mesenterica	1207	1131	1178	1180	1214	1185	1573	1456	1450	1515	1498·2	1468	327	305	403	433	
	3. Phthisis	8788	8773	8478	8966	8544	8255	8797	8781	8519	8855	9391·0	8890	2441	2267	1863	2220	
	4. Hydrocephalus	1532	1439	1392	1350	1378	1454	1451	1418	1559	1625	1391·6	1618	395	457	380	386	
	ORDER 3.																	
	1. Cephalitis	850	910	855	928	931	959	1097	1123	1221	1285	1107·6	1342	342	383	305	312	
	2. Apoplexy	1794	2056	2113	2014	2170	2262	2195	2165	2175	2341	2320·7	2363	687	577	470	459	
3. Paralysis	1548	1600	1490	1392	1602	1636	1617	1437	1448	1644	1680·6	1649	475	418	303	453		
4. Insanity	107	110	114	115	118	159	131	116	86	106	126·7	121	29	27	30	35		
5. Chorea	18	15	12	10	11	4	13	10	8	11	12·2	13	5	2	5	1		
6. Epilepsy	353	344	285	233	267	272	418	387	371	358	391·4	396	122	105	66	103		
7. Convulsions	2967	2742	2735	2903	2322	2338	2595	2690	2544	2558	2819·5	2582	737	617	486	742		
8. Brain Disease, &c.	830	870	850	808	892	906	1129	1104	1184	1151	1080·2	1216	357	312	245	302		
ORDER 4.																		
1. Pericarditis	134	122	133	134	136	165	147	113	134	127	146·6	190	33	36	33	48		
2. Aneurism	139	157	142	152	157	159	158	186	168	184	174·7	198	41	62	39	56		
3. Heart Disease, &c.	3360	3370	3678	3516	3694	3973	4113	3918	4149	4394	4187·4	4523	1428	1022	874	1199		
ORDER 5.																		
1. Laryngitis	397	421	388	395	466	486	492	457	467	476	486·8	509	186	152	42	129		
2. Bronchitis	8059	8234	8806	7542	10259	9383	10601	9231	9607	10879	10118·2	14212	5360	3064	1276	4512		
3. Pleurisy	171	156	156	208	232	267	271	237	292	247	235·3	268	64	74	48	82		
4. Pneumonia	4217	3762	3776	3681	4291	4298	4552	4210	4068	4398	4497·9	5130	1545	1249	675	1661		
5. Asthma	555	529	564	383	694	549	576	520	468	482	580·0	560	226	105	45	184		
6. Lung Disease, &c.	722	804	810	776	950	929	1000	960	945	948	964·3	1072	367	232	141	332		

NOTE.—Cases of "infantile fever" are classed with those of "enteric or typhoid fever;" "relapsing," and other continued fevers, under "simple continued fever;" "rheumatic fever" is classed with "rheumatism." As "stricture of the urethra" is almost invariably the result of gonorrhoea, it is classed among enthetic dis-

eases. Cases of "hæmorrhage" and "abscess" are classed with the diseases of the organs affected. In many cases of deaths from violence, it is not certain whether the injury was caused by accident or was the result of murder, manslaughter, or suicide; all such cases are classed in Order 1. for accident or negligence.

* See note to Table 15, p. xix.

Deaths from different Causes.

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1869-1878; **Averages** 1869-1878; and **Deaths** REGISTERED in 1879 and in each Quarter of 1879.

Class.	MEAN TEMPERATURE	40°·5	40°·7	40°·7	50°·7	48°·9	49°·4	49°·4	50°·1	49°·7	49°·6	49°·5	46°·2	1879.				
														QUARTER ENDING				
														Mar. 29	June 28	Sept. 27	Jan. 3 1880	
YEARS	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	Annual Average 1869-78.*	1879	Mar. 29	June 28	Sept. 27	Jan. 3 1880		
CAUSES OF DEATH.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	Days.	
ORDER 4.																		
1. Gastritis - - -	86	98	96	94	95	119	112	131	103	103	113·1	143	37	31	41	34	34	
2. Enteritis - - -	322	278	290	270	351	340	379	341	349	370	358·7	337	74	83	99	81	81	
3. Peritonitis - - -	245	278	278	280	356	365	296	298	307	275	325·7	281	73	68	73	67	67	
4. Ascites - - -	116	128	125	124	112	121	90	105	104	81	120·6	70	23	11	15	21	21	
5. Ulceration of Intestines	136	173	169	151	174	147	147	139	117	162	165·2	126	36	33	27	30	30	
6. Hernia - - -	161	176	171	172	175	199	210	177	191	177	197·2	171	50	47	33	41	41	
7. Ileus - - -	150	166	189	172	210	185	175	210	201	221	210·1	219	61	51	53	54	54	
8. Intussusception - -	54	50	56	61	50	73	61	67	69	65	66·1	69	27	20	12	10	10	
9. Stricture of Intestines -	45	36	58	58	45	48	66	51	62	40	55·5	69	17	18	14	20	20	
10. Fistula - - -	18	19	25	23	30	23	19	25	26	29	27·1	30	9	5	9	7	7	
11. Stomach Disease, &c. -	308	356	313	331	371	381	354	374	444	412	395·5	441	110	108	103	120	120	
12. Pancreas Disease, &c. -	2	1	..	1	1	1	1	..	..	..	0·8	1	..	..	..	..	..
13. Ilepatitis - - -	166	178	164	169	202	203	231	225	175	183	206·7	193	62	41	42	43	43	
14. Jaundice - - -	225	204	225	215	232	215	226	234	237	227	246·5	212	50	52	56	54	54	
15. Liver Disease, &c. -	915	878	872	954	1001	1050	1107	1148	1143	1159	1114·9	1056	264	286	248	268	268	
16. Spleen Disease, &c. -	12	14	16	11	11	14	21	27	17	20	17·8	25	6	7	3	9	9	
ORDER 5.																		
1. Nephritis - - -	106	124	114	91	111	165	164	177	196	192	157·0	230	66	52	45	67	5	
2. Ischuria - - -	15	14	8	24	14	15	14	16	11	13	15·7	14	2	4	3	3	3	
3. Bright's Dis. (Nephria)	608	543	494	644	642	709	741	703	720	740	713·5	718	200	184	168	176	176	
4. Diabetes - - -	93	104	110	105	130	124	115	129	157	140	131·6	161	45	51	28	37	37	
5. Calculus (Stone) - -	38	32	44	42	48	43	41	59	55	59	50·3	38	11	7	10	10	10	
6. Cystitis - - -	55	55	68	60	72	72	80	71	69	99	76·4	101	24	18	33	26	26	
7. Kidney Disease, &c. -	448	422	472	365	455	467	484	449	458	475	420·1	503	147	124	90	136	136	
ORDER 6.																		
1. Ovarian Dropsy - -	38	24	24	20	32	20	20	28	53	60	35·3	56	11	11	15	19	19	
2. Uterus Disease, &c. -	227	211	206	239	246	264	263	232	232	216	254·7	208	63	47	46	52	52	
ORDER 7.																		
1. Synovitis (Arthritis) -	14	19	20	15	19	20	27	20	28	17	21·7	26	11	5	5	5	5	
2. Joint Disease, &c. -	286	255	327	320	318	300	346	332	371	369	351·5	378	82	115	82	99	99	
ORDER 8.																		
1. Phlegmon - - -	113	127	126	107	154	214	182	190	192	171	171·8	166	54	37	34	41	41	
2. Ulcer - - -	56	48	44	54	55	74	63	71	78	63	66·1	63	20	15	13	15	15	
3. Skin Disease, &c. -	55	57	60	62	79	64	80	60	77	98	77·6	85	24	20	21	20	20	
ORDER 1.																		
1. Premature Birth - -	1010	1060	1155	1171	1158	1201	1255	1325	1281	1350	1304·6	1398	368	364	296	370	370	
2. Cyanosis - - -	92	103	100	127	126	127	139	142	172	145	138·8	163	39	36	35	53	53	
3. Spina Bifida - - -	65	57	60	52	64	52	61	70	72	77	68·7	68	14	13	16	25	25	
4. Other Malformations -	69	97	87	76	92	81	114	98	105	111	101·4	115	24	31	29	31	31	
5. Teething - - -	882	782	803	631	650	713	774	681	695	775	806·4	732	238	205	128	161	161	
ORDER 2.																		
1. Paramenia - - -	11	10	7	7	5	14	14	10	7	13	10·7	14	4	4	4	2	2	
2. Childbirth (see Puerperal Fever) - - -	250	306	318	253	326	335	324	354	289	255	329·2	245	73	51	61	60	60	
ORDER 3.																		
1. Old Age - - -	2587	2743	2643	2295	2661	2479	2462	2399	2379	2514	2743·4	2866	1010	650	453	753	753	
ORDER 4.																		
1. Atrophy and Debility -	3422	3356	3271	3371	3496	3529	3280	3164	3063	3455	3642·4	3415	887	790	796	942	942	
ORDER 1.																		
(ACCIDENT OR NEGLIGENCE.)																		
1. Fractures and Contusions -	774	941	909	893	977	964	1004	1020	957	965	1025·3	963	219	228	220	296	296	
2. Gunshot Wounds - -	21	44	38	2	7	2	3	5	7	5	38·8	8	2	2	2	2	2	
3. Cut, Stab - - -	21	44	38	36	29	46	41	32	19	20	28·1	19	5	4	6	4	4	
4. Burns and Scalds - -	263	275	261	239	279	274	270	240	247	267	285·1	318	120	52	40	106	106	
5. Poison - - -	44	52	45	43	45	58	46	76	67	69	59·4	67	15	12	17	23	23	
6. Drowning - - -	297	279	300	339	363	324	375	343	316	369	414·9	311	60	79	110	62	62	
7. Suffocation - - -	388	400	490	496	534	540	555	559	548	569	553·8	620	188	143	118	181	181	
8. Otherwise - - -	146	204	142	166	201	202	189	211	158	150	193·1	154	49	40	33	32	32	
ORDER 3.																		
(HOMICIDE.)																		
1. Murder and Manslaughter	110	106	109	125	124	97	70	96	78	78	108·3	88	21	23	20	24	24	
ORDER 4.																		
(SUICIDE.)																		
1. Gunshot Wounds - -	10	16	21	17	17	21	11	17	20	30	19·6	28	7	8	6	7	7	
2. Cut, Stab - - -	75	62	72	64	72	58	77	66	55	59	72·0	77	22	19	21	15	15	
3. Poison - - -	24	51	52	44	41	28	44	57	49	64	52·8	70	14	22	19	15	15	
4. Drowning - - -	69	56	69	57	62	59	57	63	44	59	65·4	64	11	17	28	8	8	
5. Hanging - - -	74	57	63	64	76	64	81	67	81	74	76·4	100	17	31	34	18	18	
6. Otherwise - - -	20	31	23	22	19	25	28	23	24	29	26·6	33	4	10	12	7	7	
ORDER 5.																		
(EXECUTION.)																		
1. Hanging - - -	1	2	..	1	..	3	2	7	4	1	2·3	3	1	..	2	..	..
Sudden Deaths (cause unascertained)																		
	53	79	40	24	38	36	48	19	21	18	41·0	22	7	2	3	10	10	
Causes not specified or ill-defined																		
	474	368	283	200	241	223	195	171	130	118	265·3	83	24	29	24	9	9	

TABLE 17.—Deaths Registered in the London Districts, and the Mean Temperature, in each of the 11 Years 1869-1879.

DISTRICTS.	AREA in Acres.*	DENSITY, Persons to an Acre, 1871.	1869	1870	1871	1872	1873	1874	1875	1876	1877	1878	1879 (53 weeks)
Mean Temperature - - -	—	—	49°·5	48°·7	48°·7	50°·7	48°·9	49°·4	49°·4	50°·1	49°·7	49°·8	46°·2
LONDON	78,080	42	78,082	77,634	80,430	71,355	75,459	76,813	81,964	77,671	77,449	84,188	85,540
1 KENSINGTON - - - -	3441	63	4056	4427	4286	3993	4371	4677	4808	4685	4473	5060	5096
1a FULHAM - - - -	4209	16	1397	1379	1446	1405	1479	1660	1873	1904	1771	2358	2230
2 CHELSEA - - - -	861	83	1772	1927	1877	1640	1686	1802	1923	1753	1746	1920	2139
3 ST. GEO. HANOVER SQ. -	2051	76	3620	3963	3923	3244	3339	3310	3759	3370	3163	3340	3399
4 WESTMINSTER - - - -	216	237	1180	1252	1127	1002	1101	1004	1079	971	873	1098	1001
5 MARYLEBONE - - - -	1506	106	3984	3945	3852	3704	3668	3884	3991	3627	3511	3654	3913
6 HAMPTSTEAD - - - -	2248	14	450	550	1636	687	541	563	652	693	901	873	636
7 PANCRAS - - - -	2672	83	5067	5407	5456	4919	5206	5057	5434	5193	5122	5365	5607
8 ISLINGTON - - - -	3107	69	4937	5078	5048	4196	4456	4816	4823	4969	5111	5376	5577
9 HACKNEY - - - -	3935	32	2650	2476	3327	2814	2725	3009	3145	3107	3550	3696	3315
10 ST. GILES - - - -	245	219	1459	1421	1269	1168	1150	1213	1217	1111	1095	1101	1119
11 STRAND - - - -	433	95	1210	1263	1149	1041	1208	1081	1097	999	973	1073	1143
12 HOLBORN - - - -	816	200	4201	4062	3878	3686	3918	3925	3963	3651	3633	3680	3815
13 LONDON CITY - - - -	731	104	2316	2038	2018	1825	1814	1906	1885	1639	1583	1561	1610
14 SHOREDITCH - - - -	648	196	3462	3210	3410	2959	3052	2989	3296	2325	2877	3133	3161
15 BETHNAL GREEN - - -	755	159	3252	2850	3029	2600	3066	3033	3114	2632	2904	2937	3022
16 WHITECHAPEL - - - -	405	190	2627	2471	2469	2411	2424	2637	2483	2361	2511	2445	2459
17 ST. GEO. IN-THE-EAST -	244	107	1408	1273	1392	1083	1259	1292	1191	1151	1224	1182	1436
18 STEPNEY - - - -	569	101	1402	1236	1266	1069	1272	1245	1344	1264	1299	1334	1440
19 MILE END OLD TOWN -	679	137	2245	1933	2229	1944	2110	2104	2187	2223	2199	2287	2522
20 POPLAR - - - -	2648	41	3050	2838	2942	3089	3239	3435	3430	3377	3474	3679	3759
21 ST. SAVIOUR SOUTHWARK -	1170	150	4793	4379	4672	3850	4293	4252	4689	4071	4336	4765	4804
22 ST. OLAVE SOUTHWARK -	1725	71	3703	3220	3519	3088	3495	3103	3825	3403	3275	3810	3799
23 LAMBETH - - - -	4659	51	4371	4615	5475	4713	5025	4851	5847	5197	5534	5801	5767
24 WANDSWORTH - - - -	11740	11	2390	2674	2877	2426	2545	2796	3112	3163	3004	3303	3326
25 CAMBERWELL - - - -	4450	25	2361	2377	2350	2340	2431	2487	3024	2757	2711	3357	3511
26 GREENWICH - - - -	3500	26	2438	2491	2241	2103	2311	2212	2539	2433	2333	2800	2900
27 LEWISHAM - - - -	11436	5	794	894	817	825	818	899	965	973	920	1064	1000
28 WOOLWICH - - - -	7231	10	1388	1685	1445	1391	1432	1476	1507	1699	1343	2132	1589

NOTE. — The Deaths in this Table are compiled from the Abstracts which appear in the Registrar General's Annual Reports, excepting for the year 1879, for which the Deaths are derived from the Weekly Returns embracing 53 weeks.

* These areas have recently been supplied to the Registrar General by the Ordnance Survey Department, and include 2718 acres of tidal water, or river Thames. For area of the Greater London see Table 6.

TABLE 18. LONDON.—Births and Deaths; DEATHS of INFANTS under 1 Year of Age, and of PERSONS aged 60 Years and upwards from ALL CAUSES; and DEATHS from the principal ZYMOTIC DISEASES and from VIOLENCE, INQUEST CASES, and DEATHS in PUBLIC INSTITUTIONS, in GROUPS of DISTRICTS, and in each METROPOLITAN DISTRICT during the 53 Weeks ending Saturday, 3rd January 1880.

REGISTRARS' SUB-DISTRICTS.	Enumerated Population, 1871.	Total Births in 53 Weeks.	Total Deaths in 53 Weeks.	The DEATHS registered in the 53 Weeks include														
				Deaths of		Deaths from											Inquest Cases.	Deaths in Public Institutions.
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Cholera.	Violence.		
LONDON - - -	3,254,260	134096	85540	19810	19343	458	2488	2706	592	3000	70	861	168	1913	54	2933	5500	15854
WEST DISTRICTS - - -	561,359	20127	13880	3053	3389	134	297	380	108	365	6	90	23	313	7	451	886	2636
NORTH DISTRICTS - - -	751,729	30523	19248	4232	4903	54	556	585	131	616	8	235	37	392	11	596	1205	3562
CENTRAL DISTRICTS - - -	334,369	9757	7687	1676	1473	3	260	197	53	214	2	72	8	162	5	334	638	1905
EAST DISTRICTS - - -	639,111	28345	17829	4353	3693	15	645	585	100	749	17	164	32	490	7	739	1447	3622
SOUTH DISTRICTS - - -	967,692	45841	26896	6496	5885	252	750	959	200	1056	37	300	68	556	24	819	1214	4129
WEST DISTRICTS.																		
KENSINGTON - - -	217112	7702	5085	1124	1270	10	89	108	55	153	1	34	11	108	5	168	321	819
W. FULHAM - - -	66041	3257	2259	602	464	118	56	92	10	71	2	20	2	83	1	71	154	272
CHELSEA - - -	70738	3089	2139	481	532	5	49	81	17	42	-	8	5	45	-	49	134	423
ST. GEO. HANOVER SQ.	156287	4060	3396	613	850	-	88	70	21	70	3	25	4	61	1	150	230	932
WESTMINSTER - - -	51181	1319	1001	233	273	1	15	29	5	29	-	3	1	13	-	23	47	190
NORTH DISTRICTS.																		
MARYLEBONE - - -	159254	4996	3913	806	1110	1	60	67	16	91	2	28	10	80	2	131	272	1020
HAMPSTEAD - - -	32281	1045	636	129	185	7	6	7	9	8	-	2	1	9	1	19	43	73
PANCRAS - - -	221465	8226	5607	1221	1309	5	156	177	37	175	-	60	8	132	2	221	452	1309
ISLINGTON - - -	213778	9912	5577	1338	1336	21	225	171	49	228	1	59	11	109	3	141	353	661
HACKNEY - - -	124951	6544	3515	788	873	20	89	163	20	114	5	86	7	62	3	84	172	499
CENTRAL DISTRICTS.																		
ST. GILES - - -	53556	1638	1119	245	254	-	17	36	4	34	1	8	-	23	1	34	103	216
STRAND - - -	41339	953	1143	208	188	-	18	39	19	19	1	14	1	17	-	55	97	427
HOLBORN - - -	163491	5900	3815	960	670	2	193	81	19	134	-	22	2	102	3	111	274	640
LONDON CITY - - -	75983	1266	1610	203	361	1	32	41	11	27	-	28	5	20	1	134	184	622
EAST DISTRICTS.																		
SHOREDITCH - - -	127164	5224	3161	730	779	-	148	66	14	118	3	18	3	80	2	81	175	613
BETHNAL GREEN - - -	120104	5246	3022	784	651	1	106	71	14	153	1	40	5	72	3	72	196	526
WHITECHAPEL - - -	76973	2797	2489	468	440	1	50	76	15	73	1	13	3	72	-	217	340	1001
ST. GEO.-IN-THE-EAST	48052	1939	1436	324	279	-	49	87	5	53	3	10	4	48	-	45	98	300
STEPNEY - - -	57690	2322	1440	437	195	1	62	75	16	56	2	14	3	51	-	78	125	144
MILE END OLD TOWN	33152	4403	2522	679	582	4	110	116	21	103	3	30	8	68	1	55	144	274
POPLAR - - -	116376	6379	3759	941	767	8	120	94	15	190	4	34	6	99	1	191	369	755
SOUTH DISTRICTS.																		
ST.SAVIOUR SOUTHWARK	175049	7676	4804	1233	1027	15	121	204	32	178	7	36	18	94	1	122	215	702
ST. OLAVE SOUTHWARK	122398	5595	3799	824	671	8	83	193	38	141	2	46	2	92	1	217	295	887
LAMBETH - - -	208342	9250	5767	1293	1300	26	117	294	60	229	12	72	11	132	4	162	266	1015
WANDSWORTH - - -	123060	6833	3526	931	762	4	126	135	17	148	8	46	9	88	4	89	129	306
CAMBERWELL - - -	111306	6885	3511	929	837	40	124	73	32	121	1	29	15	67	7	48	114	433
GREENWICH - - -	100600	4593	2900	664	632	158	104	35	16	147	3	50	8	54	4	85	101	508
LEWISHAM - - -	51537	2117	1600	238	298	1	27	14	3	24	1	8	3	14	-	19	11	59
WOOLWICH - - -	73380	2895	1589	384	358	-	48	11	2	68	3	13	2	15	3	71	83	219

TABLE 18 (continued). LONDON.—TOTAL Births and Deaths; DEATHS of INFANTS under 1 Year of Age; FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, CHOLERA, and VIOLENCE; also DEATHS in PUBLIC INSTITUTIONS.

The DEATHS registered in the 53 Weeks include																					
REGISTRARS' SUB-DISTRICTS.		Enumerated Population, 1871.	Total Births in 53 Weeks.	Total Deaths in 53 Weeks.	Deaths from															Inquest Cases.	Deaths in Public Institutions.
					Deaths of																
					Infants under 1 Year of Age.	Persons aged 10 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Typhus Fever.	Enteric (or Typhoid) Fever.	Simple continued Fever.	Diarrhoea.	Cholera.	Violence.				
WEST DISTRICTS.																					
St. Mary Paddington	WH -	58728	2180	1385	323	377	2	22	48	24	41	-	8	3	29	-	34	73	180		
St. John Paddington	H -	33085	732	734	79	180	1	7	19	5	19	-	12	8	63	89	335				
Kensington Town	WH -	91045	3857	2904	606	534	1	47	27	25	79	1	12	12	47	132	288				
Brompton	H -	28654	933	692	116	159	6	13	14	1	14	-	2	12	14	27	110				
St. Peter Hammersmith	-	6662	269	125	80	35	-	4	4	2	1	-	-	-	9	-	8	-			
St. Paul Hammersmith	H -	36029	2112	1076	284	257	1	16	33	4	39	1	11	12	39	89	76	40			
Fulham	WH -	23350	1576	1038	288	172	117	36	55	4	31	1	9	35	1	28	70	23			
Chelsea South	HHH -	26120	1671	736	153	185	1	16	54	1	10	-	3	1	16	-	20	55	42		
Chelsea North-west	WHHHH	22926	970	903	157	247	3	24	14	6	17	-	5	1	13	11	34	381			
Chelsea North-east	-	21392	1048	500	171	100	1	9	13	10	15	-	-	3	16	-	18	45	-		
Manover Square	H -	18698	346	263	58	75	-	7	9	2	8	-	-	-	6	-	11	-			
Mayfair	WH -	13358	261	517	33	202	-	1	1	1	1	-	1	1	8	1	10	338			
Belgrave	HHH -	57972	1561	1273	207	288	-	4	26	13	22	1	12	1	18	-	77	99	369		
St. John Westminster	HH	38173	1232	743	200	124	-	26	24	1	18	1	6	3	22	-	18	47	32		
St. Margaret Westminster	H -	27781	660	293	115	101	-	28	10	6	19	-	7	-	7	-	43	63	141		
Golden Square	WH -	12860	317	329	51	140	-	1	3	-	9	-	2	-	7	-	7	13	132		
Berwick Street	H -	20759	463	294	79	58	1	5	9	4	6	-	1	-	4	-	6	16	-		
St. Anne Soho	HHHHH -	17522	509	378	103	66	-	9	17	1	14	-	-	1	5	-	10	18	38		
NORTH DISTRICTS.																					
All Souls (Marylebo.)	HHHHH	28579	781	830	118	174	-	6	17	9	12	1	13	1	8	-	54	84	325		
Cavendish Square	HH	15125	287	198	25	77	-	3	1	-	1	-	2	2	4	-	5	11	4		
Rectory (Marylebone)	WH -	26384	802	1112	172	451	-	13	9	1	16	-	1	5	22	-	16	34	624		
St. Mary (Marylebone)	HHH	21786	942	436	134	99	-	4	10	1	13	-	-	-	7	-	17	20	4		
Christ Church (Marylebone)	H	33944	1175	714	203	135	-	18	14	4	33	1	4	1	15	1	25	53	3		
St. John (Marylebone)	H -	33136	1009	623	154	174	1	16	16	1	16	-	5	1	21	1	15	36	3		
Hampstead	WHHH -	32281	1015	636	129	185	7	6	7	9	8	-	2	1	9	1	19	46	73		
Regent's Park	H -	38200	1282	656	153	145	-	22	20	4	21	-	10	1	19	-	27	52	6		
Tottenham Court	WHHH -	20370	809	995	155	206	1	17	24	7	29	-	9	3	15	-	46	77	430		
Gray's Inn Lane	HHH -	29221	995	744	174	148	-	25	12	3	36	-	8	1	28	-	58	94	115		
Somers Town	-	38333	1270	731	213	135	-	36	34	10	19	-	4	2	24	-	27	69	-		
Camden Town	WH -	17943	816	781	153	376	1	14	10	4	8	-	7	1	14	-	27	69	424		
Kensish Town	W -	63198	3054	1697	373	389	3	42	77	9	39	-	22	-	34	2	36	91	274		
Islington West	HHH -	97520	4289	2350	592	429	20	97	102	27	114	1	32	2	49	3	70	171	134		
Islington East	WHHHH -	110383	5623	3227	746	907	1	128	69	22	114	-	27	9	60	-	71	182	537		
Stoke Newington	H -	9841	819	347	85	87	-	16	10	5	10	1	5	1	10	-	12	20	1		
Stamford Hill	-	9398	306	143	39	39	-	3	1	1	9	-	3	-	8	-	6	8	-		
West Hackney	-	29839	1331	656	163	183	-	16	12	2	25	1	8	3	15	-	4	7	26		
Hackney	WHHH -	50104	2339	1640	363	408	10	27	122	7	45	8	62	1	16	3	49	78	498		
South Hackney	-	30339	1329	729	198	156	1	27	18	5	25	-	8	2	18	-	10	40	-		
CENTRAL DISTRICTS.																					
St. George Bloomsbury	-	17853	434	276	63	69	-	5	9	1	7	-	1	-	4	-	6	14	-		
St. Giles South	WH -	19109	763	672	130	136	-	8	14	2	18	1	7	-	16	-	22	69	216		
St. Giles North	-	16594	441	271	52	49	-	9	13	1	9	-	-	-	8	1	6	20	-		
St. Martin-in-the-Fields	HHH	21928	481	556	86	92	-	6	14	8	13	-	5	1	7	-	37	58	189		
St. Mary-le-Strand	-	9378	216	163	41	46	-	2	6	1	9	-	1	-	2	-	4	16	-		
St. Clement Dunes	H -	10723	256	424	81	50	-	10	19	10	5	1	8	-	8	-	14	23	233		
St. Geo. the Martyr	HHHHH	20521	532	610	85	92	-	7	6	11	11	-	2	-	10	2	12	28	108		
St. Andrew Eastern	W -	13529	279	333	71	117	-	27	4	-	13	-	2	-	11	-	7	18	220		
Saffron Hill	H -	9666	187	143	41	40	-	7	6	-	1	-	-	-	5	-	7	13	-		
St. James Clerkenwell	W -	18917	604	468	134	68	-	27	14	-	14	-	9	1	11	-	17	33	96		
Arwell	-	16884	698	374	98	59	1	16	8	2	19	-	2	1	5	1	11	39	96		
Pentonville	-	13337	511	293	85	63	-	23	7	2	14	-	3	-	11	-	5	21	-		
Goswell Street	-	16242	654	321	95	71	-	8	10	1	14	-	2	-	9	-	10	33	-		
Old Street	H -	12161	479	259	71	45	-	13	4	1	13	-	4	-	8	-	8	17	4		
City Road	HHH -	18391	1090	450	137	63	-	36	11	-	21	-	5	-	11	-	15	33	53		
Whitecross Street	-	13792	394	391	37	43	-	24	5	2	7	-	-	-	14	-	12	23	-		
Finsbury	-	10741	272	163	45	29	1	5	6	-	7	-	-	-	7	-	9	16	-		
St. Botolph	H -	14540	363	260	56	63	-	14	15	-	8	-	3	2	9	-	7	16	6		
Cripplegate	-	13638	243	163	38	31	-	5	6	-	3	-	1	1	2	-	6	11	-		
St. Sepulchre	H -	7562	139	713	40	94	1	5	13	9	5	-	22	1	4	-	89	110	608		
St. Bride	W -	11185	204	169	33	44	-	5	3	2	9	-	-	-	4	-	8	12	7		
Castle Baynard	-	4128	37	49	7	20	-	-	-	-	1	-	1	-	-	-	4	3	-		
Christchurch	-	6370	25	37	3	14	-	-	-	-	2	-	-	-	-	-	4	6	-		
Queenhithe	-	4753	69	55	7	17	-	1	1	-	2	-	-	-	-	-	2	3	-		
Allhallows Barking	-	5764	56	66	6	22	-	-	-	-	1	-	-	-	-	-	11	13	-		
Broad Street	H -	7845	110	98	13	33	-	2	1	-	3	-	1	1	-	-	3	6	-		

NOTE.—The letters placed against the names of the sub-districts denote Public Institutions situated therein, namely:—W—Workhouse; WH—Workhouse Establishment receiving inmates from other Districts than that in which it stands (see note at the foot of next page); H—Hospital; L—Lunatic Asylum.

* The deaths in Prisons and Military Asylums are not included in this column.

of PERSONS aged 60 Years and upwards from ALL CAUSES; and DEATHS from SMALL-POX, MEASLES, SCARLET
FETTERS; registered in each SUB-DISTRICT during the 53 Weeks ending Saturday, 3rd January 1880.

REGISTRARS' SUB-DISTRICTS.	Enumerated Population, 1871.	Total Deaths in 53 Weeks.	Total Deaths in 53 Weeks.	The DEATHS registered in the 53 Weeks include																	Inquest Cases.	Deaths in Public Institutions.*	
				Deaths of		Deaths from																	
				Infants under 1 Year of Age.	Persons aged 60 Years and upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping- cough.	Typhus Fever.	Erysipelas (or Typhoid Fever).	Simple continued Fever.	Diarrhoea.	Cholera.	Violence.							
EAST DISTRICTS.																							
St. Mary (St. Geo.-in-the-East)	17900	742	442	132	60	-	26	28	-	25	1	3	2	18	-	13	33	-					
St. Paul (St. Geo.-in-the-East)	21350	807	472	132	72	-	17	28	3	25	1	2	1	19	-	14	33	-					
St. John (St. Geo.-in-the-East) W	8802	360	522	60	147	-	6	31	2	3	1	5	1	11	-	18	32	309					
St. Andrew H	11640	389	410	123	35	-	15	20	1	5	1	3	1	18	-	32	41	144					
St. Andrew H	16191	581	380	109	67	-	19	33	8	6	1	3	1	19	-	20	28	-					
St. Andrew H	29019	1352	650	200	93	1	28	22	7	43	2	9	1	21	-	26	56	-					
St. Andrew H	38128	1672	881	255	150	-	37	66	9	46	1	8	2	23	-	19	54	-					
St. Andrew H	55024	2736	1641	414	432	4	73	50	12	60	2	22	6	45	1	36	90	274					
St. Andrew H	26055	1479	739	214	104	-	13	28	8	31	1	11	2	20	1	28	64	-					
St. Andrew H	41710	2679	1323	410	490	6	78	31	4	86	1	10	2	49	-	86	148	705					
St. Andrew H	48611	2221	1095	317	173	2	29	35	3	73	3	13	2	30	-	79	157	50					
SOUTH DISTRICTS.																							
St. Andrew H	14573	508	425	87	147	-	2	19	1	7	1	3	1	8	-	12	20	119					
St. Andrew H	15677	531	368	98	45	-	1	23	22	14	1	7	1	10	-	17	21	-					
St. Andrew H	20421	849	430	132	63	1	2	28	4	17	1	7	1	11	1	17	34	-					
St. Andrew H	16635	636	430	131	48	1	13	28	3	20	1	2	1	11	-	19	48	79					
St. Andrew H	18981	824	459	127	85	-	9	23	2	9	-	4	3	6	-	17	31	20					
St. Andrew H	23682	1046	542	163	92	4	16	17	8	38	-	8	2	10	-	15	19	-					
St. Andrew H	48248	2544	1716	376	445	9	39	54	9	69	3	10	8	34	-	22	39	484					
St. Andrew H	16792	738	405	94	102	-	8	13	4	14	2	4	2	5	-	3	5	-					
St. Andrew H	4373	87	655	23	72	-	1	4	2	2	-	15	-	5	-	122	126	559					
St. Andrew H	10690	405	253	68	44	-	3	11	-	4	-	4	1	19	-	12	16	34					
St. Andrew H	16787	704	342	98	47	3	13	21	2	5	-	5	-	10	-	4	13	-					
St. Andrew H	15709	665	525	104	175	2	14	7	2	14	-	4	-	20	-	14	29	180					
St. Andrew H	47933	2346	1116	310	170	3	30	74	15	78	1	8	1	15	-	19	44	-					
St. Andrew H	27096	1388	908	216	163	-	22	76	17	38	1	10	-	23	1	46	67	114					
St. Andrew H	14074	627	374	99	57	1	2	20	1	22	-	1	-	19	-	10	26	28					
St. Andrew H	18485	644	353	100	57	-	4	17	4	6	-	2	-	19	-	12	31	-					
St. Andrew H	19492	772	781	120	109	1	19	25	8	15	2	8	1	10	-	92	106	354					
St. Andrew H	35833	1870	1300	303	354	1	36	60	11	54	-	2	1	33	-	37	48	-					
St. Andrew H	41286	1600	883	209	221	2	16	29	12	22	-	5	5	21	2	14	29	-					
St. Andrew H	31221	1125	638	134	197	-	8	16	11	27	1	4	-	12	1	5	12	-					
St. Andrew H	35435	2026	1170	260	239	21	26	135	8	63	9	2	2	14	1	11	19	194					
St. Andrew H	12536	586	270	68	66	-	6	2	5	20	-	3	-	11	-	5	6	1					
St. Andrew H	27347	1125	561	156	135	-	18	13	1	25	3	1	1	14	1	15	17	-					
St. Andrew H	54016	4001	1980	570	346	3	90	99	13	50	4	29	7	57	3	42	59	208					
St. Andrew H	19783	744	516	99	134	1	16	15	1	44	1	6	1	7	-	12	25	96					
St. Andrew H	9439	327	179	43	51	-	-	8	-	8	-	2	-	7	-	7	10	-					
St. Andrew H	14475	636	290	63	96	-	2	5	2	21	-	3	-	8	-	13	18	-					
St. Andrew H	4041	82	39	7	11	-	2	1	2	1	-	2	-	-	-	1	1	-					
St. Andrew H	31254	1733	1206	213	404	4	27	16	9	36	-	5	5	24	1	15	34	431					
St. Andrew H	42160	2617	1301	407	263	28	38	22	15	27	1	14	5	19	1	17	42	2					
St. Andrew H	33851	1553	955	297	159	8	57	34	6	57	-	8	5	24	5	15	37	-					
St. Andrew H	63714	2733	1483	370	276	147	54	16	12	78	3	29	3	34	3	38	41	124					
St. Andrew H	6474	301	213	62	82	8	9	2	-	5	-	2	-	2	1	8	-	-					
St. Andrew H	21034	742	448	127	98	3	19	-	3	52	-	8	3	8	-	9	12	-					
St. Andrew H	19678	817	756	105	236	-	22	17	1	12	-	11	2	10	-	32	40	384					
St. Andrew H	4539	150	65	12	24	-	-	1	-	1	-	1	-	2	-	3	2	-					
St. Andrew H	16440	537	281	62	98	1	6	6	-	10	-	2	-	4	-	5	3	-					
St. Andrew H	11513	660	327	86	90	-	10	2	1	8	-	-	2	5	-	6	3	55					
St. Andrew H	19065	770	327	88	86	-	11	5	2	5	1	5	1	3	-	5	3	4					
St. Andrew H	9564	270	170	38	36	-	2	4	-	6	-	3	1	1	1	8	11	43					
St. Andrew H	17226	642	358	94	74	-	20	2	1	17	1	4	-	1	1	11	16	-					
St. Andrew H	18331	746	371	94	66	-	9	2	1	13	-	1	1	6	-	24	29	7					
St. Andrew H	13027	501	232	66	51	-	2	1	-	11	-	1	-	1	1	3	3	-					
St. Andrew H	13622	736	458	92	131	-	15	2	-	21	2	4	-	6	-	25	24	169					

TABLE 18 (continued). LONDON—OUTER RING.—POPULATION, BIRTHS, DEATHS FROM ALL CAUSES, and from SMALL-POX, MEASLES, SCARLET FEVER, DIPHTHERIA, WHOOPING-COUGH, FEVER, DIARRHŒA, VIOLENCE; also DEATHS IN PUBLIC INSTITUTIONS; registered in each SUB-DISTRICT during the 53 Weeks ending Saturday, 3rd January 1880.

District and Sub-district Numbers.		SUE-DISTRICTS.	Area in Acres.	Enumerated Population, 1871.	BIRTHS.	DEATHS.	The DEATHS registered in the 53 Weeks include															
							Deaths of		Deaths from										Inquest Cases.	Deaths in Public Institutions.		
									Infants under 1 Year of Age.	Persons aged 60 Years & upwards.	Small-pox.	Measles.	Scarlet Fever.	Diphtheria.	Whooping-cough.	Fever.	Diarrhoea.	Cholera.			Violence.	
							3613	4250	23	231	330	117	475	214	303	5	431	705	1906			
29:1	Carshalton <i>wL</i> - - -	12228	13323	575	509	69	171	-	5	2	2	12	4	3	-	10	10	237				
2	Epsom (<i>part of</i>)* <i>WH</i> -	9971	9145	276	196	23	77	-	2	8	3	11	-	2	-	5	6	66				
36:1	Godstone (<i>part of</i>) * - -	2754	900	30	14	2	6	-	-	-	-	3	-	-	-	-	-	-				
37:1	Croydon <i>WH</i> - - -	20851	71319	3060	1563	334	481	3	26	23	22	37	19	19	1	34	61	199				
2	Mitcham <i>WH</i> - - -	11697	12534	515	259	57	66	-	4	-	1	4	5	5	-	6	12	10				
38:1	Wimbledon <i>HHH</i> - - -	3220	9087	468	192	53	53	-	3	5	-	13	1	3	-	8	8	6				
2	Kingston <i>WHH</i> - - -	8549	27480	1128	626	135	213	2	3	6	5	10	5	11	-	24	29	82				
3	Esher (<i>part of</i>)* - - -	6601	7353	304	157	39	44	-	4	1	1	5	-	5	-	6	8	-				
4	Hampton <i>H</i> - - -	4573	10185	411	201	42	52	-	1	4	3	-	4	2	-	4	11	2				
39:1	Richmond <i>WH</i> - - -	2271	16829	602	402	77	121	-	17	7	2	16	9	10	-	18	25	55				
2	Mortlake - - -	2961	9316	397	182	67	46	-	3	1	-	8	1	8	-	12	16	-				
40:1	Bromley (<i>part of</i>)* <i>HH</i> -	15669	19509	895	377	100	87	-	7	2	4	29	4	10	-	15	15	4				
2	Chislehurst (<i>part of</i>) * <i>W</i>	13665	10028	473	248	43	74	-	-	5	2	1	7	7	1	6	7	36				
41:1	Bexley <i>H</i> - - -	13139	19566	754	412	83	127	1	-	20	1	17	6	12	-	18	17	6				
123:1	Sunbury <i>w</i> - - -	11055	9860	398	179	44	39	-	15	3	-	7	4	2	-	5	15	5				
2	Staines <i>W</i> - - -	13277	10339	423	224	46	89	-	10	2	2	5	3	5	-	1	5	45				
124:1	Hillingdon <i>WH</i> - - -	6029	9712	337	233	51	34	-	2	4	1	9	3	2	-	12	20	50				
2	Uxbridge - - -	6178	5329	160	86	18	32	-	-	3	-	4	-	-	-	1	2	-				
3	Hayes <i>wHL</i> - - -	14587	10497	325	292	41	76	-	5	3	-	12	1	5	-	7	14	160				
125:1	Isleworth <i>W</i> - - -	7008	10930	761	509	108	150	2	9	1	2	19	1	4	-	16	43	89				
2	Twickenham - - -	2477	10533	357	195	43	58	-	6	5	3	4	7	3	-	4	14	-				
3	Brentford <i>HL</i> - - -	4370	20279	804	460	108	113	1	14	7	2	25	7	10	-	16	23	8				
4	Chiswick - - -	1311	8508	506	275	34	62	1	3	4	3	8	3	11	-	3	11	-				
5	Acton <i>wH</i> - - -	6087	12638	761	333	102	65	-	1	13	2	7	1	14	-	6	15	8				
126:1	Harrow <i>HH</i> - - -	13809	10869	329	164	26	54	-	-	8	1	-	1	1	-	3	8	6				
2	Edgware <i>H</i> - - -	6994	3450	116	72	14	23	-	-	-	-	-	1	-	-	1	2	1				
3	Willesden - - -	4383	15869	914	379	110	88	-	4	12	5	6	3	17	-	10	20	-				
4	Hendon <i>W</i> - - -	8382	6972	352	201	43	73	-	-	2	1	1	2	7	-	19	26	57				
127:1	South Mimms - - -	15119	5924	177	122	22	44	1	-	-	1	4	2	2	-	4	4	-				
2	Barnet <i>W</i> - - -	5423	7752	258	157	26	55	-	-	1	1	6	1	1	-	7	11	38				
3	Finchley <i>L</i> - - -	4688	11493	452	422	49	89	-	-	-	6	12	1	1	-	5	8	234				
128:1	Hornsey <i>H</i> - - -	3089	10357	1062	463	116	108	-	12	11	10	32	4	10	-	17	27	-				
2	Tottenham <i>H</i> - - -	4612	22890	1375	623	169	152	1	4	16	5	22	12	18	-	18	34	27				
3	Edmonton <i>Wwv</i> - - -	7483	13860	719	620	88	295	3	2	9	-	11	26	12	1	17	25	305				
4	Enfield <i>WH</i> - - -	12653	16054	619	301	85	72	-	8	5	5	1	8	8	-	9	12	3				
5	Waltham Abbey - - -	11017	5197	131	69	16	21	-	-	-	-	-	1	2	-	4	3	-				
6	Cheshunt - - -	8493	7518	252	130	25	50	-	1	1	-	-	1	3	-	4	8	-				
134:1	Hatfield (<i>part of</i>) * - -	8180	559	12	7	-	5	1	-	-	-	-	-	-	-	-	-	-				
136:1	Bushey - - -	9378	6472	290	96	27	29	-	-	3	-	-	-	-	-	3	4	-				
135:1	Stratford - - -	882	23286	1591	697	223	104	1	8	18	2	26	6	13	1	10	18	-				
2	West Ham <i>wvvvH</i> - - -	7345	44642	3736	1601	523	211	6	46	59	7	56	28	33	1	38	60	19				
3	Leyton <i>Ww</i> - - -	4274	15513	869	563	107	189	-	-	14	3	14	9	5	-	9	10	186				
4	Walthamstow <i>H</i> - - -	6019	15701	881	394	64	77	-	1	11	5	13	5	8	-	2	6	-				
136:1	Chigwell (<i>part of</i>) * <i>H</i> -	10483	8169	290	135	26	51	-	1	-	1	3	4	3	-	7	9	2				
138:1	Romford (<i>part of</i>) * - -	6730	2879	103	46	12	12	-	1	-	-	1	-	-	-	2	2	-				
2	Ilford - - -	8492	5947	270	125	33	32	-	3	5	1	-	1	3	-	-	1	-				
3	Barking Town - - -	4123	6570	354	182	37	30	-	-	26	2	1	5	3	-	5	5	-				

* The parts of sub-districts included within that portion of the Metropolitan Police District which forms the Outer Ring are as follow:—29: 2, the whole of Epsom sub-district, except the parish of Ashstead (pop. 906); 36: 1, the two parishes of Warlingham and Farley in Godstone sub-district; 38: 3, the whole of Esher sub-district, except the parish of Esher (pop. 1815); 40: 1, the whole of Bromley sub-district, except the two parishes of Cudham and Knockholt (pop. 1744); 40: 2, the whole of the Chislehurst sub-district, except the parish of Chislefield (pop. 903); 134: 1, only the parish of Northaw in Hatfield sub-district; 136: 1, the whole of the Chigwell sub-district, except the parish of Thoidon-Bois (pop. 798); 138: 1, only the parish of Dagenham in Romford sub-district.

TABLE 19.—Deaths in London; and Meteorology at Greenwich Observatory. (a)

YEARS.	Total Number of Deaths.	Mean Temperature of Air.	Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly Amount of Hori- zontal Movement of the Air by Robinson's Anemometer.†
Averages of 40 Years, 1840-1879.	65,613	49°3	5°6	24·5	Miles. §10·8
Averages of 10 Years, 1840-1849.	51,976	49°3	|| 5·1	24·3	—
Averages of 10 Years, 1850-1859.	59,699	49°3	5·9	23·2	10·1
Averages of 10 Years, 1860-1869.	72,086	49°5	5·7	25·3	10·7
Averages of 10 Years, 1870-1879.	78,690	49°1	5·7	25·3	11·6
1840	46281	47·7	—	18·3	—
1841	45284	48·7	5·0	33·3	—
1842	45272	49·6	4·6	22·6	—
1843	48574	49·4	3·7	24·6	—
1844	50423	48·6	4·9	24·9	—
1845	48332	47·6	4·4	22·4	—
1846	49089	51·3	5·1	25·3	—
1847	60442	49·5	5·4	17·8	—
1848	57628	50·4	6·4	30·2	—
1849	68432	50·0	6·6	23·9	—
1850	48579	49·3	6·1	19·7	11·0
1851	55354	49·2	6·5	21·6	10·3
1852	54213	50·6	7·4	34·2	10·6
1853	61202	47·7	6·2	29·0	9·5
1854	73697	48·9	4·7	18·7	10·3
1855	61506	47·1	4·5	21·1	9·9
1856	56786	49·0	5·6	22·2	10·6
1857	60150	51·0	5·2	21·4	9·3
1858	68882	49·2	6·5	17·8	9·7
1859	61617	50·7	6·0	25·9	9·5
1860	61821	47·0	4·6	32·0	10·0
1861	65001	49·4	5·0	20·8	9·9
1862	66950	49·5	4·7	26·2	10·0
1863	72346	50·3	6·0	20·0	10·3
1864	77723	48·5	7·0	16·7	9·5
1865	73460	50·3	6·2	29·0	9·3
1866	80129	49·8	5·6	30·5	11·4
1867	70588	48·6	5·6	28·4	11·8
1868	74903	51·6	6·8	25·2	12·2
1869	77933	49·5	5·7	24·0	12·2
1870	77278	48·7	6·7	18·5	11·1
1871	80332	48·7	6·0	22·3	10·5
1872	70893	50·7	5·5	30·0	11·9
1873	76634	48·9	5·4	23·4	11·8
1874	76606	49·4	4·7	20·0	11·5
1875	81513	49·4	5·9	27·3	11·5
1876	77411	50·1	6·4	23·9	12·1
1877	77002	49·7	6·6	26·8	13·0
1878	83695	49·6	5·8	29·2	11·1
1879	85540	46·2	4·0	31·3	11·3

NOTE.—This Table does not include the deaths in Wandsworth and Clapham for the years 1840-3; or the deaths in Hampstead and Lewisham for 1840-6.

(a) The deaths in this Table as well as the Meteorology are compiled from the Registrar General's Weekly Returns, which embrace 364 days, or for six years (1847, 1853, 1857, 1863, 1868, and 1873) 371 days; for this reason the figures differ from those which relate to complete years from 1st January to 31st December, published in Table 16.

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The dew point temperature, for any year, may be obtained by subtracting the number in the column headed "dryness" from the mean temperature in the same period.

† For the years 1850-59 the results are only approximative, having been reduced to Robinson's anemometer from observations made with Whewell's.

‡ Average of 39 years.

§ Average of 30 years.

|| Average of 9 years.

TABLE 20.—Deaths Registered in the Public Institutions of London, 1869-1879.

	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
TOTAL DEATHS IN PUBLIC INSTITUTIONS	12298	12300	14665	12029	13101	13359	13946	14073	14936	15502	15099
WORKHOUSES (including the Metropolitan Asylum Hospitals)	7068	6833	9090	6743	7416	7619	8015	8174	9134	9606	9946
PRISONS	83	78	76	57	62	70	77	69	62	46	57
MILITARY AND NAVAL ASYLUMS*	165	86	81	93	66	81	96	79	69	75	88
GENERAL HOSPITALS	3480	3614	3796	3863	4148	4310	4420	4442	4318	4549	4651
HOSPITALS FOR SPECIAL DISEASES—	849	981	905	562	584	392	436	483	612	531	497
LYING-IN HOSPITALS—	13	31	16	16	29	18	20	33	34	9	21
Women	41	40	37	60	56	62	49	68	43	23	46
Children	170	200	218	195	207	206	233	184	203	192	211
MILITARY AND NAVAL HOSPITALS	93	102	99	94	128	115	122	100	113	138	143
HOSPITALS FOR FOREIGNERS	336	335	347	346	405	486	473	441	348	333	339
LUNATIC ASYLUMS											

* Previously to the year 1870, the Royal Naval Hospital at Greenwich was classed with the "Military and Naval Asylums"; since that year no in-pensioners have been received there.

TABLE 21.—Deaths in 160 Public Institutions, registered

		DEATHS.			PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS.				
		TOTAL.	Males.	Females.			TOTAL.	Males.	Females.		
TOTAL DEATHS IN 160 PUBLIC INSTITUTIONS					15999	8998	7101				
53 WORKHOUSES					9916	5239	4707	BETHNAL GREEN - - - 15; 2. GREEN - - - 358 193 165			
11 PRISONS					57	46	11	WHITECHAPEL (WORKHOUSE and INFIRMARY) - - - 16; 2. MILE END NEW TOWN 351 202 149			
2 MILITARY ASYLUMS					88	83	-	ST. GEORGE-IN-THE-EAST - 17; 3. ST. JOHN - - - 309 167 141			
41 GENERAL HOSPITALS					4651	2779	1872	MILE END OLD TOWN - 19; 2. EASTERN - - - 204 101 103			
31 HOSPITALS FOR SPECIAL DISEASES					497	247	250	WHITECHAPEL (SOUTH GROVE) - - - 19; 2. MILE END OLD TOWN - - - 64 1 63			
5 LYING-IN HOSPITALS					21	21	-	CITY OF LONDON { part of 19; 2. MILE END OLD TOWN - - - 188 131 57			
5 MILITARY AND NAVAL HOSPITALS					211	206	5	{ ditto - 20; 2. BROMLEY - - - 442 246 196			
3 HOSPITALS FOR FOREIGNERS					143	111	32	STEPNEY (AGED AND INFIRM) 20; 2. BROMLEY - - - 33 13 20			
7 LUNATIC ASYLUMS					339	154	185	POPULAR - - - 20; 3. POPULAR - - - 46 27 19			
								NORTH STREET INFIRMARY - 20; 3. POPULAR - - - 4 3 1			
PUBLIC INSTITUTIONS.		SUB-DISTRICT in which the Public Institution is situated.									
WORKHOUSES.											
Paddington - - - 1; 1. St. Mary Paddington					183	83	100	ST. SAVIOUR'S - - - 21; 1. CHRISTCH., SOUTHWRK. 119 114 5			
Kensington (Workhouse and Infirmary) - - - 1; 3. Kensington Town - - -					287	149	138	Ditto - - - 21; 4. BOROUGH ROAD - - - 16 12 4			
Kensington (Supplementary Workhouse) - - - 1; 3. Kensington Town - - -					1	-	1	Ditto - - - 21; 7. ST. PETER WALWORTH 484 273 211			
Fulham - - - 1a; 3. Fulham - - -					114	54	60	ST. OLAVE'S - - - 22; 2. ST. JOHN HORSLEYDN. 34 23 11			
Metrop. Asylum Hosp. - 1a; 3. Fulham - - -					118	67	51	Ditto - - - 22; 4. ST. MARY MAGDALEN 180 101 79			
Chelsea (Workhouse and Infirmary) - - - 2; 2. Chelsea North-west					295	152	143	Ditto - - - 22; 6. ROTHERHITHE - - - 114 70 44			
St. George's (Fulham Road) 3; 2. Mayfair - - -					373	189	184	LAMBETH (WORKHOUSE and INFIRMARY) - 23; 4. LAMBETH CHURCH 2d 438 222 216			
Ditto (Mount-street) 3; 2. Mayfair - - -					20	5	15	METROP. ASYLUM HOSPITALS 23; 7. Brixton - - - 194 107 87			
Westminster - - - 4; 1. Golden Square - - -					144	49	95	LAMBETH (for Children) - 23; 8. NORWOOD - - - 1 - 1			
								WANDSWORTH (WORKHOUSE and INFIRMARY) 24; 2. BATTERSEA - - - 208 99 109			
Marylebone (Workhouse and Infirmary) - - - 5; 3. Rectory (Maryleb.)					609	275	334	WESTMINSTER INDUSTRIAL SCHOOL - 24; 2. BATTERSEA - - - - - -			
Hampstead - - - 6; 1. Hampstead - - -					35	20	15	CAMBERWELL (WORKHOUSE and INFIRMARY) - 25; 2. CAMBERWELL - - - 312 159 153			
Metrop. Asylum Hosp. - 6; 1. Hampstead - - -					8	4	4	Ditto (Nazareth House) - 25; 3. PECKHAM - - - 2 2 -			
Central London Sick Asylum - - - 7; 2. Tottenham court - - -					229	130	99	METROP. ASYLUM HOSPITAL 26; 1. ST. PAUL, DEPTFORD - 124 64 60			
Paneras (Workhouse and Supplementary Workh. - 7; 5. Camden Town - - -					480	209	271	GREENWICH - - - 26; 4. GREENWICH EAST - 253 138 115			
Highgate (Central London Sick Asylum) - - - 7; 6. Kentish Town - - -					274	163	111	LEWISHAM - - - 27; 3. LEWISHAM VILLAGE - 55 25 30			
Islington (Workhouse and Infirmary) - - - 8; 2. Islington East - - -					379	202	177	WOOLWICH (WORKHOUSE and INFIRMARY) - 28; 5. PLUMSTEAD EAST - 169 94 75			
Islington (Workhouse Schools) - - - 8; 2. Islington East - - -					1	1	-	PRISONS.*			
Holborn Infirmary (College House) - - - 8; 2. Islington East - - -					78	43	35	FEMALE CONVICT PRISON - 1; 7. Fulham - - - 3 - 3			
City of London - - - 8; 2. Islington East - - -					67	29	38	MILLBANK PENITENTIARY - 3; 4. St. John Westmr. - 5 5 -			
Hackney - - - 9; 4. Hackney - - -					191	95	96	HOUSE OF CORRECTION - 3; 5. St. Margaret Westmr. - 5 - 5			
City of London - - - 9; 4. Hackney - - -					14	10	4	PENTONVILLE, Model Prison (Males) - 8; 1. Islington West - 10 10 -			
Metrop. Asylum Hospitals 9; 4. Hackney - - -					177	95	82	CITY PRISON (Holloway) - 8; 1. Islington West - 2 2 -			
								MIDDLESEX HOUSE OF DETENTION - - - 12; 4. St. James Clerkswll. 9 7 2			
St. Giles (Workhouse and Infirmary) - - - 10; 2. St. Giles South - - -					203	116	90	MIDDLESEX HOUSE OF CORRECTION (Males) - 12; 5. Amwell (Holborn) 17 17 -			
Holborn - - - 12; 2. St. Andrew Eastern					290	164	126	CITY PRISON (Newgate) - 13; 3. St. Sepulchre - 2 2 -			
Ditto (Workhouse and Casual Ward) - 12; 4. St. James Clerkswll.					96	56	40	COUNTY PRISON - - - 21; 6. Trinity Newington - - - - -			
City of London - - - 13; 4. St. Bride - - -					7	2	5	CONVICT PRISON (Males) - 23; 7. Brixton - - - 1 1 -			
								COUNTY PRISON - - - 24; 3. Wandsworth - - - 3 2 1			
Holborn - - - 14; 3. Hoxton New Town - - -					228	104	124	MILITARY ASYLUMS.			
Shoreditch (Workhouse and Infirmary) - - - 14; 5. Haggerston - - -					340	186	154	ROYAL MILITARY HOSPITAL Chelsea, In-Pensioners 2; 1. Chelsea South - 85 85 -			
								ROYAL MILITARY ASYLUM, Chelsea, Boys - - - 2; 1. Chelsea South - 3 3 -			

NOTE.—The Workhouse Establishments printed in *italics* receive inmates from other Districts than those in which they are situated.

* PRISONS.—The deaths of the children of prisoners are not included.

† The Deaths of out-pensioners of Chelsea Hospital are not included.

during the 53 Weeks ending Saturday, 3rd January 1880.

PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS.			PUBLIC INSTITUTIONS.	SUB-DISTRICT in which the Public Institution is situated.	DEATHS.			
		TOTAL.	Males.	Females.			TOTAL.	Males.	Females.	
GENERAL HOSPITALS.					HOSPITALS FOR SPECIAL DISEASES—continued.					
St. Mary's - - -	1; 2. St. John Paddington	235	152	83	St. Peter's (Stone) - - -	5; 1. All Souls (Maryleb.)	9	9	-	
West London - - -	1a; 2. St. Paul Hammersm.	40	29	11	St. Agnes (Consumption)	5; 1. All Souls (Maryleb.)	5	-	5	
Victoria (Children) -	2; 1. Chelsea South -	33	16	17	Royal Orthopaedic - - -	5; 1. All Souls (Maryleb.)	1	-	1	
Cheyne (Children) - -	2; 1. Chelsea South -	8	3	5	Paralysis - - - - -	5; 2. Cavendish Square -	1	1	-	
St. Raphael's - - -	2; 2. Chelsea North-west	11	11	-	Home for Consumptive	5; 4. St. Mary (Maryleb.)	5	-	5	
St. George's - - -	3; 3. Belgrave - - -	304	224	140	Females - - - - -	5; 5. Christch. (Maryleb.)	5	-	5	
Belgrave (Children) -	3; 3. Belgrave - - -	2	2	-	New (for Women) - - -	5; 5. Christch. (Maryleb.)	5	-	5	
Westminster - - -	3; 5. St. Margaret Westm.	140	76	64	Dis. of Nervous System -	5; 6. St. John (Maryleb.)	3	3	-	
St. Margaret - - -	3; 5. St. Margaret Westm.	1	-	1	North London Consump-	6; 1. Hampstead - - -	9	6	3	
Middlesex - - -	5; 1. All Souls (Maryleb.)	310	160	150	tion - - - - -	6; 1. Hampstead - - -	9	6	3	
Ladies' - - -	5; 2. Cavendish Square -	3	-	3	St. Saviour's (Cancer) -	7; 1. Regent's Park -	6	-	6	
Samaritan Free - - -	5; 3. Rectory (Maryleb.)	20	-	20	All Saints Institution -	7; 2. Tottenham Court -	3	-	3	
St. Peter's Home (Kilburn)	6; 1. Hampstead - - -	21	1	20	Central London Throat	and Ear - - - - -	3	2	1	
University College - -	7; 2. Tottenham Court -	194	112	82	Central London Oph-	7; 3. Gray's Inn Lane -	1	-	1	
London Temperance -	7; 2. Tottenham Court -	4	3	1	thalmic - - - - -	7; 3. Gray's Inn Lane -	1	-	1	
Royal Free - - -	7; 3. Gray's Inn Lane -	111	80	31	Small-pox - - - - -	8; 1. Islington West -	17	11	6	
North-West - - -	7; 5. Camden Town -	4	2	2	London Fever - - - -	8; 1. Islington West -	76	44	32	
Great Northern - - -	8; 1. Islington West -	41	28	13	National for Paralyse	and Epileptic - - -	12; 1. St. George the Martyr	28	15	13
Invalid Asylum - - -	9; 1. Stoke Newington -	1	-	1	Hip Diseases - - - - -	12; 1. St. George the Martyr	9	6	3	
Charing Cross - - -	11; 1. St. Martin in-the-}	189	119	70	St. Mark's (Fistula) -	12; 8. Old Street -	4	1	3	
King's College - - -	11; 3. St. Clement Danes -	238	141	97	Royal for Dis. of Chest -	12; 9. City Road -	31	20	11	
London Homœopathic -	12; 1. St. George the }	21	11	10	Royal London Ophthalmic	13; 9. Broad Street -	1	1	-	
St. John and St. Eliza-}	12; 1. St. George the }	24	-	24	City of London for}	15; 2. Green - - -	64	43	21	
both - - -	Martyr - - -				Diseases of Chest - }					
Hospital for Sick Chil-}	12; 1. St. George the }	115	66	49						
dren - - -	Martyr - - -									
Home for Incurables - }	12; 1. St. George the }	1	-	1						
City Police - - -	Martyr - - -									
St. Bartholomew's - -	13; 1. St. Botolph - - -	6	6	-						
Convent - - -	13; 3. St. Sepulchre -	608	357	251						
Children's - - -	14; 2. St. Leonard - - -	-	-	-						
Mildmay Mission - -	14; 5. Haggerston - - -	31	15	16						
Metropolitan Free - -	15; 1. Hackney Road -	20	8	12						
London - - -	16; 1. Spitalfields - -	19	15	4						
East London Children's -	16; 5. Whitechapel Church	631	408	223						
Poplar - - -	18; 1. Shadwell - - -	144	78	66						
Evelina (Children) - -	20; 2. Bromley - - -	42	36	6						
Guy's - - -	21; 4. Borough Road -	63	31	32						
Royal Infirmary (Women	22; 1. St. Olave - - -	559	365	194						
and Children) - - -	23; 1. Waterloo 1st -	38	11	17						
St. Thomas's - - -	23; 3. Lambeth Church 1st	354	207	147						
British Home for In-}	24; 1. Clapham - - -	2	1	1						
curables - - -	- - -									
Royal Hospital for In-}	24; 3. Wandsworth - -	9	3	6						
curables - - -	- - -									
Sick Children - - -	27; 4. Sydenham - - -	4	2	2						
HOSPITALS FOR SPECIAL DISEASES.					MILITARY AND NAVAL HOSPITALS.					
Lock (Females) - - -	1; 1. St. Mary Paddington	3	-	3	Guards' - - - - -	3; 4. St. John Westminster	30	30	-	
Consumptn. & Dis. of Chest	1; 4. Brompton - - -	110	57	53	Seamen's - - - - -	26; 4. Greenwich East -	131	130	1	
Chelsea Home (Cnsmptn.)	2; 1. Chelsea South -	1	-	1	Herbert - - - - -	28; 1. Charlton - - -	43	42	1	
Cancer - - - - -	2; 2. Chelsea North-west	71	18	53	Garrison Female - - -	28; 3. Woolwich Arsenal	3	1	2	
For Women - - - - -	2; 2. Chelsea North-west	4	-	4	Arsenal Infirmary - - -	28; 3. Woolwich Arsenal	4	3	1	
For Women - - - - -	3; 4. St. John Westminster	2	-	2						
Throat and Ear - - -	4; 1. Golden Square -	8	5	3						
For Women - - - - -	4; 3. St. Anne Soho -	11	-	11						
Dis. of the Heart - - -	4; 3. St. Anne Soho -	4	3	1						
St. John's (Skin) - - -	4; 3. St. Anne Soho -	1	-	1						
Lock (Males) - - - -	4; 3. St. Anne Soho -	1	1	-						
HOSPITALS FOR SPECIAL DISEASES.					HOSPITALS FOR FOREIGNERS.					
French - - - - -	4; 3. St. Anne Soho	21	17	4						
German - - - - -	9; 4. Hackney - - -	116	89	27						
Spanish and Portuguese	19; 2. Mile End Old Town	6	5	1						
Jews' - - - - -	Eastern - - - - -									
LUNATIC ASYLUMS.*					LUNATIC ASYLUMS.*					
St. Luke's Hospital - -	12; 9. City Road - - -	15	7	8						
Hoxton House * - - -	14; 2. St. Leonard - - -	14	4	10						
Bethnal House * - - -	15; 2. Green - - - - -	84	40	44						
Bethlehem Hospital - -	21; 5. London Road - -	20	9	11						
Surrey County - - - -	24; 3. Wandsworth - -	87	39	48						
Peckham House * - - -	25; 2. Camberwell - - -	67	35	32						
Camberwell House * - -	25; 2. Camberwell - - -	52	20	32						

* LUNATIC ASYLUMS.—Private Lunatic Asylums are excluded from this list, except those in which pauper lunatics are received, which are marked with an asterisk.

TABLE 22. LONDON.—Weekly Deaths from Small-pox, Measles, Scarlet Fever, Diphtheria
WEEKLY Numbers from Six of these DISEASES during the For

	SMALL-POX.				MEASLES.				SCARLET FEVER.				DIPHTHERIA.			
	1876	1877	1878	1879	1876	1877	1878	1879	1876	1877	1878	1879	1876	1877	1878	1879
YEAR	735	2544	1416	458	1741	2347	1510	2488	2297	1576	1792	2706	359	317	553	592
March Quar.	7	1192	556	221	667	351	708	289	636	282	457	454	88	70	104	119
June „	26	828	618	140	561	682	337	849	487	253	339	373	93	65	147	161
Sept. „	110	252	133	63	225	438	165	666	573	327	330	645	85	85	131	127
Dec. „	592	272	109	34	288	876	300	684	601	714	666	1234	93	97	176	185
Weeks.																
1 - -	-	116	23	13	55	28	104	34	83	25	31	29	8	12	5	16
2 - -	-	100	35	12	40	24	97	31	60	23	39	56	9	4	9	8
3 - -	-	79	51	12	52	17	77	18	60	42	35	44	7	5	5	7
4 - -	-	86	34	24	40	22	63	18	79	21	39	46	7	3	6	7
5 - -	1	103	38	28	41	22	56	23	48	23	43	33	9	4	9	14
6 - -	-	90	55	17	37	21	40	13	48	14	37	38	9	7	10	11
7 - -	-	72	47	20	48	18	43	17	40	19	32	31	8	6	5	7
8 - -	2	104	39	17	44	14	40	16	47	16	34	30	2	5	9	6
9 - -	1	84	54	22	57	23	41	21	45	23	35	35	7	4	8	8
10 - -	1	96	34	17	46	33	46	22	35	17	35	27	5	4	7	7
11 - -	1	100	53	15	69	44	32	26	35	15	28	20	9	5	6	7
12 - -	1	76	42	15	63	32	34	21	37	17	22	33	3	3	13	13
13 - -	-	86	48	9	66	53	35	29	19	27	47	32	5	8	12	8
14 - -	-	78	55	17	56	50	30	43	37	16	42	24	6	4	8	10
15 - -	4	60	58	12	44	58	40	46	35	18	36	19	6	5	9	11
16 - -	-	68	80	13	59	41	31	49	46	25	37	26	9	6	8	19
17 - -	-	89	63	10	47	47	38	57	37	14	22	25	9	3	11	17
18 - -	2	54	60	10	53	44	29	53	48	16	27	26	5	2	10	16
19 - -	1	78	48	5	49	45	33	59	31	24	24	18	8	4	9	11
20 - -	1	70	48	6	41	59	28	53	39	20	26	24	5	4	12	10
21 - -	3	69	43	17	40	56	14	55	36	21	17	29	10	3	20	7
22 - -	4	61	40	8	33	69	15	80	45	28	17	37	5	8	17	7
23 - -	2	58	42	11	38	65	18	75	33	19	27	26	8	6	16	17
24 - -	4	55	24	11	40	61	20	99	28	14	24	36	8	7	8	10
25 - -	2	44	19	12	31	42	17	104	46	14	17	38	7	7	12	10
26 - -	3	44	38	8	30	45	24	76	26	24	23	45	7	6	7	16
27 - -	13	23	19	11	25	44	31	79	36	18	19	38	9	9	11	11
28 - -	2	32	11	4	24	28	16	67	35	21	20	38	9	7	8	11
29 - -	8	35	19	6	24	42	13	73	35	19	21	40	10	6	8	10
30 - -	7	27	11	6	28	51	21	49	38	25	27	58	9	4	7	8
31 - -	1	22	18	3	21	51	19	77	36	15	26	55	9	8	6	5
32 - -	9	20	14	5	22	43	14	54	42	21	26	43	4	6	11	9
33 - -	5	21	9	4	25	49	10	58	46	24	27	45	3	12	11	5
34 - -	10	11	10	4	10	29	10	42	57	24	24	61	8	2	11	11
35 - -	8	20	6	7	11	17	7	44	41	26	29	59	1	5	12	13
36 - -	5	8	3	7	11	23	10	37	50	17	30	50	6	7	10	4
37 - -	16	10	7	3	8	23	6	33	50	38	27	38	6	7	13	13
38 - -	11	10	4	1	7	22	2	27	43	30	24	60	6	8	10	16
39 - -	15	13	2	2	9	16	6	26	59	49	30	60	5	4	13	11
40 - -	11	14	4	4	19	23	19	21	57	38	34	61	6	2	20	8
41 - -	16	14	5	1	7	33	13	30	57	50	33	66	8	11	17	17
42 - -	22	8	5	1	18	36	10	31	60	68	45	73	4	9	12	14
43 - -	15	14	4	5	8	67	18	30	60	64	46	79	3	6	12	10
44 - -	21	9	3	1	18	47	15	42	35	82	49	69	3	9	10	15
45 - -	48	25	9	3	19	62	18	50	32	67	60	101	1	8	11	11
46 - -	52	14	16	-	16	66	22	63	55	61	64	113	6	8	13	14
47 - -	43	27	7	1	27	82	18	57	42	55	54	106	10	11	11	20
48 - -	67	31	8	3	31	81	28	78	41	52	70	102	9	5	7	8
49 - -	50	25	4	5	24	76	28	67	42	46	62	90	8	5	9	15
50 - -	75	31	17	3	31	92	34	63	54	54	46	119	6	10	14	10
51 - -	97	31	14	2	30	102	43	65	37	46	55	100	8	3	18	16
52 - -	75	29	13	2	40	109	34	48	29	31	48	86	9	12	22	11
53 - -	-	-	-	4	-	-	-	39	-	-	-	69	-	-	-	16

Whooping-cough, Fever, and Diarrhœa, during the Four Years 1876-1879; and the **AVERAGE** Years 1840-1879, and from **Diphtheria** during the Twenty Years 1860-1879.

WHOOPIING-COUGH.				FEVER.				DIARRHŒA.				WEEKLY AVERAGE in 40 Years, 1840-79.							YEAR.
1876	1877	1878	1879	1876	1877	1878	1879	1876	1877	1878	1879	Small-pox.	Measles.	Scarlet Fever.	Diphtheria (20 years).	Whooping- cough.	Fever.	Diarrhœa.	
2739	1780	4446	3000	1176	1249	1361	1099	3518	2479	3651	1913	19	29	47	9	45	40	48	
1229	478	1376	883	268	259	355	276	184	182	160	176	23	27	38	9	59	40	13	March Qr.
880	563	1600	775	263	252	293	205	231	261	280	192	23	31	34	8	53	37	18	June "
356	331	943	479	264	291	299	226	2342	1766	2932	1184	15	25	49	8	31	39	135	Sept. "
274	408	527	863	381	447	414	392	261	270	279	361	16	34	68	10	36	45	24	Dec. "
69	32	89	65	30	22	28	37	20	18	9	9	24	39	50	9	51	47	13	Weeks.
100	25	69	66	16	22	33	26	14	16	17	9	23	36	46	10	52	42	14	1
95	31	94	67	20	18	21	27	16	18	8	13	26	32	46	8	57	40	13	2
88	40	117	71	23	21	32	25	15	11	13	13	24	27	41	8	59	40	13	3
109	41	89	64	22	20	20	17	12	13	11	16	25	25	37	9	59	40	14	4
100	44	114	47	18	20	28	20	10	11	22	13	25	23	37	9	60	39	14	5
130	88	124	67	17	18	30	18	13	16	14	15	24	22	37	9	58	39	13	6
88	38	100	60	15	17	24	14	17	14	11	16	23	24	35	8	60	39	14	7
80	40	112	50	19	16	27	16	18	22	11	19	23	24	35	9	59	36	15	8
80	28	102	66	18	25	28	12	16	10	7	12	22	25	33	8	60	39	13	9
84	36	84	74	30	21	27	22	16	10	13	11	21	25	30	8	60	40	12	10
94	37	124	101	15	25	29	20	10	11	13	12	21	27	30	8	62	36	12	11
112	48	158	85	25	14	28	22	7	7	11	18	21	27	32	9	66	40	12	12
85	69	146	78	22	27	29	13	19	9	9	23	22	29	30	7	63	37	12	13
83	42	157	74	18	12	32	19	16	13	14	13	23	29	31	9	63	38	12	14
98	46	123	72	18	26	26	17	17	11	18	12	24	28	32	8	61	39	13	15
94	30	136	88	23	18	24	18	7	12	11	14	23	30	31	9	57	38	12	16
75	43	117	72	16	21	29	23	15	9	23	17	24	30	32	7	56	37	13	17
79	53	110	69	25	16	14	18	6	20	7	10	22	31	31	8	55	36	12	18
65	59	102	59	20	12	22	16	15	22	21	13	24	31	32	9	54	36	13	19
59	34	116	57	25	24	20	16	14	13	16	13	25	31	35	7	53	36	14	20
76	41	152	52	21	16	15	12	13	13	20	10	21	34	36	9	50	36	16	21
60	40	135	41	22	16	22	14	14	16	25	13	23	34	38	8	47	36	18	22
42	38	101	42	22	16	22	12	16	27	21	18	22	36	34	8	42	37	23	23
36	35	108	31	14	22	19	8	30	46	23	15	21	33	39	9	42	34	33	24
28	28	97	40	17	26	19	19	49	50	72	21	21	32	38	9	40	35	47	25
26	35	108	35	20	19	17	11	116	96	145	13	18	32	39	8	38	35	72	26
42	46	85	36	12	21	19	12	249	169	249	29	17	29	39	8	37	36	104	27
29	36	106	36	20	21	19	5	457	173	339	27	17	29	40	8	37	37	146	28
46	23	101	33	19	24	21	15	522	184	434	25	16	29	42	8	35	37	189	29
38	21	89	42	16	22	21	13	401	176	470	46	15	29	45	7	33	35	194	30
25	29	77	34	19	15	32	14	294	166	339	90	14	26	46	7	33	37	187	31
26	18	60	37	24	28	17	20	232	194	263	127	14	26	46	8	28	38	175	32
21	17	74	40	15	19	16	19	198	158	195	174	14	23	49	9	28	39	160	33
32	19	56	43	19	18	23	13	134	154	148	209	13	21	51	9	29	41	145	34
24	19	54	36	15	21	25	25	99	87	120	146	13	21	55	8	27	40	126	35
17	32	37	42	21	30	32	22	53	86	89	134	13	20	59	9	26	43	103	36
16	18	43	36	37	31	30	21	45	71	80	92	13	21	61	10	26	44	84	37
14	18	53	29	27	22	27	36	42	52	61	72	12	20	68	8	28	43	71	38
8	21	40	34	34	19	28	38	35	36	45	61	13	23	71	11	27	43	54	39
14	10	52	28	38	29	34	29	34	48	37	60	13	23	74	10	26	44	45	40
15	21	33	27	28	47	30	26	16	25	36	48	12	26	73	10	27	45	36	41
18	23	33	34	30	39	30	31	18	23	30	35	14	26	75	9	28	46	29	42
14	24	22	37	22	39	34	32	31	19	21	30	13	30	74	9	31	46	24	43
22	15	33	25	24	42	36	41	16	12	26	26	16	32	72	10	31	44	20	44
27	23	43	44	33	28	37	20	16	23	11	23	17	35	73	11	35	45	19	45
23	32	31	41	32	38	24	33	7	13	15	20	16	38	71	12	36	45	16	46
25	27	39	49	30	36	52	28	16	16	14	13	18	42	67	10	39	45	16	47
28	36	42	57	30	27	29	31	15	19	9	9	19	42	63	10	43	46	15	48
23	25	47	82	28	26	33	19	19	10	11	11	20	42	62	10	46	46	14	49
23	64	50	111	25	41	23	26	17	14	14	4	21	44	55	11	48	43	13	50
34	82	62	129	27	36	24	18	21	12	10	8	22	40	52	11	52	41	13	51
-	-	-	165	-	-	-	20	-	-	-	13	-	-	-	-	-	-	-	52
																			53

TABLE 23.—Temperature at Greenwich, Total Deaths, and Deaths at Seven groups of Ages in London, in each Week of the Year 1879.

POPULATION estimated to the middle of 1879 - -					3,620,368	108,675	361,566	1,075,291	1,208,294	641,894	211,185	13,963
Number of Week.	WEEK ENDING	TEMPERATURE.			AGES AT DEATH.							
		Mean.	Highest Reading by Day.	Lowest Reading by Night.	ALL AGES.	Under 1 Year of Age.	1-5	5-20	20-40	40-60	60-80	80 and upwards.
	YEAR (of 53 Weeks)	46°·4	80°·6	13°·7	85,540	19,810	15,894	5,695	10,646	14,132	16,030	3,313
	March Quarter	37°·2	63°·7	19°·4	24,429	5,084	3,860	1,357	2,963	4,399	5,533	1,233
	June „	49°·3	72°·7	27°·7	20,248	4,404	3,914	1,340	2,585	3,527	3,697	772
	September „	58°·2	80°·6	39°·5	16,633	4,500	3,163	1,243	2,196	2,550	2,523	458
	December „	40°·7	67°·8	13°·7	24,230	5,822	4,957	1,746	2,902	3,676	4,277	850
1	1879. January 4	41°·4	55°·4	26°·3	1900	373	278	114	219	346	463	107
2	„ 11	28°·2	35°·3	21°·4	1873	343	293	103	235	356	474	69
3	„ 18	35°·4	46°·4	19°·4	1947	394	279	108	207	377	481	101
4	„ 25	29°·2	34°·9	24°·4	1812	364	242	101	218	357	423	107
5	February 1	31°·6	34°·4	27°·3	1821	351	273	92	231	350	432	92
6	„ 8	39°·8	52°·2	29°·5	1839	387	275	95	239	293	438	112
7	„ 15	43°·8	52°·8	34°·9	1646	401	253	98	197	293	328	76
8	„ 22	35°·8	45°·2	24°·5	1645	386	270	111	226	277	293	82
9	March 1	34°·8	46°·7	24°·5	1771	383	284	105	225	306	339	79
10	„ 8	42°·1	56°·2	28°·6	2023	431	308	99	228	338	461	108
11	„ 15	42°·1	61°·2	29°·3	1989	406	348	85	228	357	452	113
12	„ 22	43°·6	63°·7	35°·1	2085	428	384	128	256	344	450	95
13	„ 29	35°·5	59°·7	29°·2	2078	437	373	118	254	355	449	92
14	April 5	45°·4	57°·4	32°·0	1958	402	354	96	228	356	424	98
15	„ 12	43°·0	60°·7	27°·7	1786	381	364	92	204	299	363	83
16	„ 19	40°·1	58°·3	30°·2	1757	356	328	109	227	312	347	78
17	„ 26	44°·7	60°·8	32°·8	1771	353	332	127	220	324	341	74
18	May 3	43°·9	59°·0	31°·0	1648	403	295	96	189	270	321	74
19	„ 10	43°·1	66°·2	30°·0	1582	357	285	104	215	287	279	55
20	„ 17	47°·9	62°·1	36°·2	1532	308	284	106	215	272	285	62
21	„ 24	53°·7	70°·6	39°·3	1497	339	282	93	204	263	258	58
22	„ 31	51°·7	63°·5	40°·6	1427	329	264	104	181	243	255	51
23	June 7	54°·7	69°·2	41°·3	1351	303	284	91	191	237	212	33
24	„ 14	57°·3	72°·7	47°·0	1351	323	294	103	161	217	211	42
25	„ 21	58°·4	70°·8	51°·5	1316	286	293	109	182	222	192	32
26	„ 28	56°·5	72°·7	46°·5	1272	264	255	119	168	225	209	32
27	July 5	56°·5	71°·2	48°·4	1208	260	224	86	196	205	206	31
28	„ 12	56°·0	72°·0	46°·3	1179	254	233	88	137	213	220	34
29	„ 19	58°·4	72°·9	50°·1	1190	262	217	83	185	220	186	37
30	„ 26	57°·4	73°·6	49°·0	1208	268	240	100	171	207	197	25
31	August 2	64°·0	80°·6	49°·0	1349	328	251	121	174	217	221	37
32	„ 9	59°·5	75°·8	50°·8	1223	359	211	105	147	195	179	27
33	„ 16	63°·1	79°·7	45°·9	1249	423	259	79	169	188	137	44
34	„ 23	58°·7	70°·8	49°·9	1322	418	268	94	167	164	164	47
35	„ 30	58°·4	72°·5	48°·0	1391	480	265	86	161	196	163	40
36	September 6	56°·8	73°·4	39°·5	1393	430	251	98	184	199	198	33
37	„ 13	57°·6	69°·2	47°·8	1262	366	244	101	153	186	135	27
38	„ 20	57°·6	69°·0	46°·1	1366	351	268	97	194	189	220	47
39	„ 27	53°·1	65°·5	39°·5	1193	301	232	105	158	171	197	29
40	October 4	54°·5	67°·8	41°·0	1318	348	220	109	193	197	209	42
41	„ 11	51°·5	65°·3	37°·3	1366	385	222	122	186	206	201	44
42	„ 18	45°·0	56°·4	33°·7	1499	394	264	115	207	239	236	44
43	„ 25	49°·4	60°·5	36°·5	1561	410	299	115	199	231	264	43
44	November 1	46°·6	57°·9	33°·1	1501	397	302	101	195	234	226	46
45	„ 8	43°·2	52°·8	32°·3	1524	386	327	120	193	213	227	58
46	„ 15	40°·3	50°·4	23°·1	1609	398	363	127	221	217	237	46
47	„ 22	37°·4	54°·6	21°·0	1760	446	368	155	208	253	269	61
48	„ 29	33°·2	41°·2	22°·0	1802	401	420	113	201	277	326	59
49	December 6	27°·1	33°·6	14°·1	1888	451	389	135	210	297	355	71
50	„ 13	31°·1	37°·1	13°·7	2132	459	433	123	230	334	460	88
51	„ 20	32°·7	41°·1	22°·5	2204	417	474	137	242	363	465	106
52	„ 27	31°·4	42°·5	22°·0	1878	401	409	123	188	292	399	61
53	1880 Jan. 3	45°·7	54°·1	35°·2	2188	529	467	136	229	323	423	81

TABLE 24.—Births and Deaths Registered in London; and Meteorology at Greenwich, in each of the 53 Weeks of 1879.

No. of week.	Week ending	BIRTHS.			DEATHS.			Mean Temperature of the Air.	Mean of the		Dryness of Atmosphere.*	Fall of Rain in Inches.	Mean Hourly Amount of Horizontal Movement of the Air in each Week.†	Sun above Horizon in Hours.	Registered Sunshine in Hours.
		Total.	Males.	Femls.	Total.	Males.	Femls.		Highest Readings of the Thermometer.	Lowest Readings of the Thermometer.					
1	1879. Jan. 4	2809	1471	1428	1900	894	1006	41.4	46.2	35.9	4.2	2.03	17.5	55.0	4.7
2	" 11	2643	1303	1340	1873	972	901	28.2	31.7	24.3	6.0	0.03	10.0	56.2	8.8
3	" 18	2658	1353	1305	1947	983	964	35.4	40.1	30.3	2.1	0.85	11.4	57.9	4.8
4	" 25	2641	1309	1332	1812	894	918	29.2	31.3	26.4	7.0	0.02	14.9	60.0	1.2
5	Feb. 1	2651	1300	1351	1821	917	904	31.6	32.9	30.2	5.0	0.05	10.5	62.5	0.0
6	" 8	2667	1300	1367	1839	893	946	39.8	43.9	35.6	3.0	0.85	15.7	65.3	5.8
7	" 15	2597	1286	1311	1646	806	840	43.8	47.4	40.4	2.3	1.29	12.8	68.3	2.0
8	" 22	2447	1222	1225	1645	819	826	35.8	42.0	34.8	3.8	1.41	10.4	71.4	13.7
9	March 1	2602	1350	1252	1771	917	854	34.8	39.1	30.9	4.0	0.25	10.7	74.6	10.2
10	" 8	2736	1379	1357	2023	987	1036	42.1	51.3	33.7	5.7	0.08	11.9	77.8	30.7
11	" 15	2638	1327	1311	1989	962	1027	42.1	51.3	34.9	8.2	0.19	13.4	81.0	31.0
12	" 22	2684	1366	1318	2085	1033	1052	43.6	51.3	37.6	4.9	0.04	11.6	84.2	10.2
13	" 29	2849	1196	1153	2078	1044	1034	35.5	40.3	31.8	5.3	0.17	15.8	87.5	9.7
14	April 5	2610	1309	1301	1958	987	971	45.4	55.8	37.6	6.3	0.22	9.8	90.8	26.7
15	" 12	2355	1241	1114	1786	870	916	45.0	50.8	37.5	5.1	1.05	12.0	94.0	11.6
16	" 19	2703	1404	1299	1757	916	841	40.1	49.2	32.9	6.1	0.62	9.1	97.1	20.2
17	" 26	2639	1353	1285	1771	934	837	44.7	54.4	37.6	4.1	0.72	8.8	100.1	12.1
18	May 3	2607	1362	1245	1648	811	837	43.9	53.9	35.7	8.9	0.26	10.4	103.0	34.3
19	" 10	2520	1303	1217	1582	852	730	43.1	53.6	33.3	9.4	0.18	10.9	105.8	36.0
20	" 17	2266	1185	1081	1532	831	701	47.9	56.3	40.4	7.3	0.42	12.5	108.3	10.4
21	" 24	2350	1242	1127	1497	799	698	53.7	64.9	44.5	8.1	0.35	9.1	110.8	30.5
22	" 31	2372	1176	1196	1427	758	669	51.7	61.2	44.8	5.5	2.22	10.8	112.7	28.8
23	June 7	2135	1082	1053	1351	719	632	54.7	65.3	46.6	5.5	1.71	10.5	114.3	25.6
24	" 14	2414	1281	1132	1351	721	630	57.3	67.6	49.3	6.2	0.32	9.1	115.3	42.9
25	" 21	2483	1281	1202	1316	685	631	58.4	67.2	52.3	5.1	0.82	11.5	116.0	22.8
26	" 28	2427	1161	1266	1272	681	591	56.5	67.2	49.8	6.0	1.42	14.1	115.9	27.3
27	July 5	2319	1172	1147	1208	624	584	56.5	66.3	49.8	5.9	1.73	17.1	115.2	46.8
28	" 12	2604	1302	1302	1179	598	581	56.0	64.2	49.9	5.7	0.58	15.8	114.0	16.9
29	" 19	2488	1251	1237	1190	608	582	58.4	66.6	52.7	4.2	0.23	8.0	112.5	12.5
30	" 26	2482	1245	1237	1208	629	579	57.4	66.6	51.7	3.8	1.09	14.9	110.5	15.6
31	August 2	2396	1206	1190	1349	706	643	64.0	75.3	54.2	6.4	0.26	9.6	108.2	45.1
32	" 9	2327	1211	1116	1223	648	575	59.5	69.0	53.1	5.2	0.51	11.4	105.5	22.9
33	" 16	2702	1359	1343	1549	723	626	61.1	74.4	54.4	6.1	0.03	6.7	102.8	38.4
34	" 23	2370	1177	1193	1322	734	588	58.7	66.0	53.7	1.9	2.98	12.0	99.8	17.5
35	" 30	2502	1296	1206	1391	718	673	58.4	67.5	52.5	4.4	1.51	17.5	96.8	34.4
36	Sept. 6	2646	1327	1319	1393	766	627	56.8	68.9	46.6	5.9	0.02	8.0	93.6	45.5
37	" 13	2394	1199	1195	1262	663	599	57.6	65.6	51.2	0.0	0.72	13.0	90.4	21.8
38	" 20	2573	1270	1303	1366	664	702	57.6	66.6	52.2	3.3	0.29	6.1	87.4	19.1
39	" 27	2478	1247	1231	1193	605	588	53.1	62.9	45.9	5.9	1.46	10.8	84.1	38.2
40	October 4	2580	1243	1337	1318	708	610	54.5	62.1	47.7	4.6	0.57	11.9	80.9	19.5
41	" 11	2675	1380	1295	1366	729	637	51.5	59.2	44.9	2.7	0.00	5.6	77.7	14.4
42	" 18	2637	1339	1298	1499	778	721	45.0	51.2	39.2	3.5	0.02	10.5	74.7	17.4
43	" 25	2547	1280	1267	1561	831	730	49.4	55.2	43.1	3.1	0.48	12.6	71.5	10.6
44	Nov. 1	2698	1370	1328	1501	768	733	46.6	51.1	42.1	3.1	0.06	11.3	68.5	8.3
45	" 8	2721	1395	1326	1524	785	739	43.2	48.5	37.2	5.4	0.01	9.8	65.5	7.2
46	" 15	2544	1274	1270	1609	826	783	40.3	46.1	35.2	6.2	0.02	11.2	62.8	13.3
47	" 22	2374	1199	1175	1760	889	871	37.4	42.6	32.7	3.0	0.68	10.7	60.4	8.5
48	" 29	2530	1320	1210	1802	893	909	33.2	37.8	28.5	2.9	0.19	7.9	58.0	11.6
49	Dec. 6	2470	1230	1240	1888	992	896	27.1	32.7	21.0	10.1	0.12	11.2	56.3	18.9
50	" 13	2476	1270	1206	2132	1080	1072	31.1	35.3	25.8	2.9	0.05	6.3	55.0	4.8
51	" 20	2594	1291	1303	2204	1080	1124	32.7	36.3	28.7	1.9	0.01	6.6	54.2	2.3
52	" 27	1749	918	831	1878	935	943	31.4	37.4	23.8	0.9	0.03	4.8	54.1	2.6
53	1880. Jan. 3	3068	1522	1546	2188	1048	1140	45.7	50.4	39.6	3.8	0.44	24.4	54.9	7.9

* The column headed "Dryness of Atmosphere" is the difference between the dew point temperature and air temperature. The mean dew point temperature, for any week, may be obtained by subtracting the number in the column headed "dryness" from the mean temperature in the same period.
† By Robinson's Anemometer, adopted in place of Whewell's, which was used formerly.

TABLE 25.—Greenwich Meteorological Elements for the Year 1879. By J. GLAISHER, Esq., F.R.S.

1879. MONTHS.	Mean Reading of the Barometer.	TEMPERATURE OF THE AIR.							Depositure from Average of 106 Years.(1771-1876).	Mean Temperature of the Dew Point.	Mean Tension of Vapour.	Weight of Vapour in a Cubic Foot of Air.	Mean additional Weight required for Saturation.	Mean Degree of Humi- dity. Saturation = 100.	Mean Weight of a Cubic Foot of Air.	RELATIVE PROPORTIONS OF WIND.				Mean Amount of Cloud.	RAIN.	
		Highest by Day.	Lowest by Night.	Range in Month.	Mean of all Highest.	Mean of all Lowest.	Mean Daily Range.	Mean for the Month.								N.	E.	S.	W.		Number of Days it fell.	Amount collected.
in.	29.851	50.5	19.4	30.1	36.1	26.0	10.1	31.9	-0.7	26.9	0.146	1.15	0.80	56.3	7	13	6	5	8.1	12	2.60	
January-	29.863	52.8	24.5	28.3	42.6	34.3	8.3	33.2	-0.5	34.7	0.201	2.3	0.4	87	547	6	8	6	8	8.5	21	3.81
February	29.880	63.7	28.6	35.1	48.9	34.7	14.2	41.3	-0.1	35.2	0.205	2.4	0.6	80	552	6	9	7	9	6.6	14	6.06
March	29.590	60.8	27.7	33.1	52.6	36.3	16.3	45.2	-2.9	37.6	0.225	2.6	0.6	81	544	9	9	7	5	7.7	16	2.59
April	29.833	70.6	30.0	40.6	58.4	40.1	18.3	48.4	-1.4	40.7	0.254	2.9	1.0	75	544	9	7	6	10	6.0	15	3.36
May	29.641	72.7	40.6	32.1	67.0	49.6	17.4	66.9	-1.3	51.0	0.374	4.2	1.0	80	531	6	2	7	15	6.7	20	4.28
June	29.628	80.6	46.3	34.3	67.2	53.7	15.5	80.1	-3.5	53.4	0.409	4.6	0.9	84	529	3	4	8	16	7.3	19	3.72
July	29.672	73.4	44.0	35.7	69.4	53.0	16.4	80.1	-1.0	55.2	0.438	4.9	0.8	85	528	1	3	12	15	6.1	26	5.15
August	29.802	73.4	39.5	33.9	65.5	49.3	16.2	56.3	-0.2	51.4	0.373	4.3	0.8	84	524	6	7	8	9	6.1	14	2.84
September	29.952	67.3	33.1	34.7	55.6	43.0	12.6	49.1	-1.4	48.8	0.268	3.5	0.5	80	545	5	10	4	12	7.1	12	0.77
October	30.034	54.6	21.0	33.6	43.5	33.3	10.2	38.3	-4.0	34.2	0.197	2.9	0.3	85	539	12	7	3	8	7.2	12	0.91
November	30.130	52.6	13.7	38.9	37.4	26.8	10.6	32.4	-6.7	28.8	0.158	1.9	0.3	87	568	6	8	7	10	7.8	10	0.64
Means	29.770	65.0	30.7	34.3	53.6	40.0	13.6	46.2	-2.4	41.2	0.274	3.1	0.7	83	545	76	87	80	122	7.1	185	31.31
																Sums.						

TABLE 26.—METEOROLOGICAL TABLE FOR LONDON, 1879.

(Deduced from Observations, at Greenwich, under the Superintendence of the Astronomer Royal, and compiled from Quarterly Tables, furnished to the Registrar General by James Glaisher, Esq., F.R.S.)

Winter . . . Jan, Feb., March. Spring . . . April, May, June. Summer . . . July, Aug., Sept. Autumn . . . Oct., Nov., Dec.	Temperature of								Elastic Force of Vapour.	Weight of Vapour of a Cubic Foot of Air.		Degree of Humidity.		Reading of Barometer.	Weight of a Cubic Foot of Air.		Rain.	Reading of Thermometer on Grass.									
	Air.				Evapora- tion.		Dew Point.			Air— Daily Range.		Mean.	Diff. from Average of 38 Years.		Mean.	Diff. from Average of 38 Years.		Mean.	Diff. from Average of 38 Years.	Amount.	Diff. from Average of 64 Years.	At or below 30°.	Between 30° and 40°.	Above 40°.	Number of Nights it was	Lowest Reading at Night.	Highest Reading at Night.
	Diff. from Average of 108 Years.		Diff. from Average of 38 Years.		Mean.		Diff. from Average of 38 Years.																				
	Mean.	Diff. from Average of 108 Years.	Mean.	Diff. from Average of 38 Years.	Mean.	Diff. from Average of 38 Years.	Mean.	Diff. from Average of 38 Years.																			
1879.	°	°	°	°	°	°	°	°	°	in.	grs.	gr.	83	+2	29° 770	29° 674	545	545	31° 3	+6° 0	109	108	148	°	°	°	
YEAR	46° 2	2° 4	3° 3	43° 9	41° 2	2° 4	13° 6	2° 3	0° 274	—0° 022	3° 1	—0° 2	83	+2	29° 770	29° 674	545	545	31° 3	+6° 0	109	108	148	13° 7	53° 5	53° 5	
First Quarter	37° 1	1° 7	2° 8	35° 2	32° 3	3° 2	9° 9	2° 0	0° 184	—0° 024	2° 1	—0° 3	82	—2	29° 674	—0° 091	554	554	7° 0	+2° 0	48	38	4	13° 7	44° 9	44° 9	
Second do. .	49° 5	2° 8	3° 5	46° 4	43° 1	2° 4	17° 3	2° 7	0° 284	—0° 024	3° 2	—0° 3	79	+3	29° 685	—0° 120	540	540	10° 3	+4° 5	16	37	33	24° 0	53° 6	53° 6	
Third do. .	53° 1	1° 6	2° 2	55° 6	53° 3	+0° 4	16° 1	3° 8	0° 408	+0° 004	4° 6	0° 0	84	+7	29° 701	—0° 008	530	530	11° 7	+4° 4	0	3	89	33° 0	53° 5	53° 5	
Fourth do. .	39° 9	3° 7	4° 6	38° 4	36° 3	—4° 4	11° 1	—0° 8	0° 221	—0° 039	2° 6	—0° 4	87	0	30° 042	+0° 300	557	557	2° 3	—4° 9	45	30	17	13° 7	50° 0	50° 0	

In this Table, + and — respectively signify that the numbers in the preceding column are above or below the average to the extent of the quantities to which these signs are prefixed.

TABLE 27.—Number of Houses, &c. supplied by the several London Water Companies during each Month of the Year 1879; also the Average Daily Supply of Water in Gallons by the several Companies during each Month. (Compiled from Returns furnished by the several Companies during the Year.)

COMPANIES.	NUMBER OF HOUSES, &c. SUPPLIED IN											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Houses supplied	-	-	-	-	-	-	-	-	-	-	-	-
FROM THAMES	556,513	557,059	557,774	559,464	550,496	563,067	566,943	567,920	568,857	571,608	573,142	573,792
FROM LEA AND FROM OTHER SOURCES	262,692	263,006	263,721	265,071	265,860	269,370	270,176	270,925	272,442	273,473	274,709	275,085
	293,881	294,053	294,053	294,335	294,608	293,727	296,767	296,995	296,415	298,135	298,433	298,687
FROM THAMES.												
CHELSEA	29,562	29,562	29,562	29,700	29,700	29,700	29,700	29,700	29,700	29,945	29,945	29,945
WEST MIDDLESEX	51,571	51,614	51,771	52,920	52,146	52,352	52,352	52,732	53,062	53,312	53,450	53,534
SOUTHWARK AND VAUXHALL	82,286	82,470	82,797	83,965	86,309	86,370	86,370	86,927	87,821	88,069	88,502	88,502
GRAND JUNCTION	38,989	38,989	38,989	39,648	39,648	39,648	39,648	39,648	39,648	39,648	40,235	40,235
LAMBETH	60,221	60,371	60,602	60,838	61,104	61,381	61,726	61,908	62,211	62,469	62,696	62,829
FROM LEA AND OTHER SOURCES.												
NEW RIVER	127,867	127,916	127,839	128,024	128,099	128,213	128,492	128,769	128,837	129,271	129,461	129,554
EAST LONDON	118,910	118,910	118,910	118,910	118,910	118,910	120,459	120,459	120,459	120,459	120,459	120,459
KENT	47,104	47,227	47,304	47,459	47,597	46,604	47,816	47,827	47,119	48,405	48,513	48,654

COMPANIES.	AVERAGE DAILY SUPPLY OF WATER IN GALLONS DURING THE MONTHS OF											
	January.	February.	March.	April.	May.	June.	July.	August.	September.	October.	November.	December.
Total Quantities supplied	-	-	-	-	-	-	-	-	-	-	-	-
FROM THAMES	137,099,139	129,941,836	129,561,292	128,493,479	132,584,518	134,725,109	135,615,047	140,250,771	139,492,637	134,898,556	131,877,907	138,810,743
FROM LEA AND FROM OTHER SOURCES	66,385,239	64,975,478	65,954,316	65,176,526	68,303,106	70,080,369	70,175,631	71,426,320	70,636,744	68,879,547	67,467,984	68,214,415
	70,713,950	64,966,358	63,606,916	63,322,453	64,281,412	64,644,740	65,442,416	68,824,451	68,855,893	65,989,069	64,406,923	70,599,328
FROM THAMES.												
CHELSEA	7,642,200	7,540,200	8,531,900	7,912,300	8,480,200	8,855,800	9,139,200	8,921,600	8,793,100	8,424,200	8,104,000	7,663,600
WEST MIDDLESEX	10,070,414	9,985,325	10,099,458	10,176,801	10,752,634	11,035,588	11,040,207	10,993,387	10,624,085	10,316,567	10,065,908	10,115,828
SOUTHWARK AND VAUXHALL	29,362,888	29,581,470	29,085,273	23,369,642	23,910,463	24,024,174	23,963,176	24,667,853	24,947,304	24,689,462	24,088,949	24,440,378
GRAND JUNCTION	11,400,597	10,990,993	11,035,985	11,054,883	12,101,909	12,438,307	12,254,148	13,444,180	12,120,355	11,792,413	11,818,627	11,652,160
LAMBETH	13,419,200	12,898,500	13,151,700	12,656,900	13,057,900	13,668,000	13,771,900	14,499,300	14,211,300	13,876,900	13,390,500	14,342,500
FROM LEA AND OTHER SOURCES.												
NEW RIVER	27,474,000	26,136,000	26,628,000	26,831,000	27,065,000	27,394,000	27,951,000	28,992,000	28,912,000	28,113,000	26,838,000	27,198,000
EAST LONDON	34,584,700	30,827,800	29,343,000	28,795,000	29,136,000	29,041,000	29,105,900	31,298,800	31,566,500	29,882,000	30,418,500	34,877,000
KENT	8,655,250	8,092,558	7,695,916	7,696,953	8,080,412	8,209,740	8,385,516	8,713,651	8,977,393	8,024,009	7,553,423	8,621,328

Note.—The quantities of water in the above Table include the supply for various purposes other than for domestic consumption.

TABLE 28.—Average Number of Houses, &c. supplied by the several London Water Companies during the Year 1879; the Average Daily Supply of Water in GALLONS, and in CUBIC METRES* for ALL PURPOSES, in GALLONS for DOMESTIC PURPOSES, and the NUMBER of GALLONS supplied to each HOUSE. (Compiled from Monthly Returns furnished by the several Water Companies during the Year.)

WATER COMPANIES.	AVERAGE NUMBER of HOUSES supplied during the Year.	AVERAGE DAILY SUPPLY OF WATER DURING THE YEAR IN				
		Gallons.†	Cubic Metres.†	Gallons used for Domestic purposes (esti- mated).	Gallons used for Domestic purposes daily to each House.	
					1878.	1879.
Total - - -	564,720	134,443,669	610,839	110,243,809	194	195
FROM THAMES - - - -	268,873	68,139,140	309,587	55,874,095	207	203
FROM LEA AND OTHER SOURCES - -	295,847	66,304,529	301,252	54,369,714	183	184
FROM THAMES.						
CHELSEA - - - -	29,727	8,333,192	37,862	6,833,217	233	230
WEST MIDDLESEX - - -	52,498	10,439,567	47,432	8,560,445	159	163
SOUTHWARK AND VAUXHALL - -	85,529	24,034,252	109,198	19,708,087	218	230
GRAND JUNCTION - - -	39,589	11,755,912	53,412	9,639,848	254	243
LAMBETH - - - -	61,530	13,576,217	61,683	11,132,498	188	181
FROM LEA AND OTHER SOURCES.						
NEW RIVER - - - -	123,524	27,411,833	124,545	22,477,703	181	175
EAST LONDON - - - -	119,685	30,729,934	139,620	25,198,546	202	211
KENT - - - -	47,638	8,162,762	37,087	6,693,465	145	141
Columns - - -	1.	2.	3.	4.	5.	6.

Note.—According to returns of the London Water Companies made to the Select Committee on East London Water Bills (Session 1867), it is estimated that during the year 1866 about 82 per cent. of the total supply of water for all purposes was for domestic use; this proportion has been applied in estimating the quantities for the year 1879 in column 4., showing the gallons probably used for domestic purposes.

The average daily quantity of water supplied by the London Companies during the year 1879 was 134,443,669 gallons (610,839 cubic metres, equal to about as many *tuns* by measure, *tons* by weight), of which about 110,243,809 gallons (500,888 cubic metres) were probably used for domestic purposes. The quantity used daily for domestic purposes was 195·2 gallons (88·7 decalitres) to each house, and 27·5 gallons (12·5 decalitres) to each person. The returns of the water companies include uninhabited as well as inhabited houses.

* A cubic metre is equal in volume to 35·3 cubic feet, or to 220·09663 imperial gallons. It is nearly equivalent to the old English *tun* of four hogsheads, holding 35·248 cubic feet. It is in general use on the Continent; and its volume of water weighs a metric ton, differing inconsiderably in weight from the ton in common use. It is equal to 100 decalitres. One decalitre equals 2·2009663 gallons.

† The quantities of water in columns 2. and 3. include the supply for various purposes other than for domestic consumption.

REPORT on the ANALYSIS of the WATERS supplied by the METROPOLITAN WATER COMPANIES during the several MONTHS of the YEAR 1879. By Professor FRANKLAND, D.C.L., F.R.S., &c.

*Science Schools, South Kensington Museum,
5th February 1880.*

SIR,

I HAVE to submit to you, in the accompanying tabular statements, the results of the chemical examination of the water supplied to the inner and portions of the outer circle of the Metropolis during the year 1879.

The inner circle of London was supplied as usual by eight companies, with an average daily volume of 134,443,669 gallons of water. Of this 68,139,140 gallons were sometimes grossly polluted by sewage matters, chiefly the soluble constituents of urine; 58,141,767 gallons were occasionally so polluted, but to a less degree; whilst only 8,162,762 gallons were uniformly of excellent quality for dietetic purposes. The average daily volume supplied per head of population was 33·5 gallons. This is greatly in excess of what is required, and indicates gross waste; but whilst the quantity was abundant, the quality of the river water was generally indifferent, and frequently very objectionable.

The temperature of each sample at the time of collection, and its appearance in a two-foot tube, have been recorded; and in all cases of turbidity, a microscopic examination of the sediment deposited by the water on standing has been made.

Table A. gives the temperature of the water as it flowed from the main at the time of collection. Classifying the waters into three groups according to their sources, the following variations of temperature were observed:—

The temperature of the Thames water supplied by the Chelsea, West Middlesex, Southwark, Grand Junction, and Lambeth Companies varied from 1°·3 C. (34°·3 Fahr.) in January, to 20°·3 C. (68°·5 Fahr.) in August. This water was, therefore, only slightly above the freezing point in winter, whilst it was warm and vivid in summer.

The temperature of the Lea water delivered by the New River and East London Companies ranged from 0°·5 C. (32°·9 Fahr.) in December, to 19° C. (66°·2 Fahr.) in August. The water was therefore in imminent danger of freezing in winter, whilst it was repulsive to the palate in summer.

The Kent and Colne Valley Companies deep-well water showed a minimum temperature of 4°·9 C. (40°·8 Fahr.) in January, and 15° C. (59° Fahr.) in July. This range is rather wide for deep-well water, but it occurred only in the Colne Valley Company's water, the temperature of the Kent Company's water having varied only from 10°·1 C. (50°·2 Fahr.) in December to 14°·8 C. (58°·6 Fahr.) in August.

Thus the temperature of the river water ranged through no less than 19°·8 C. (35°·6 Fahr.), whilst the deep-well water delivered by the Colne Valley Company ranged through 10°·1 C. (18°·2 Fahr.), and that supplied by the Kent Company through only 4°·7 C. (8°·5 Fahr.)

Table B. shows the total amount of solid matters contained in 100,000 parts by weight of water. This solid matter was composed of a great variety of substances, by far the largest proportion being entirely harmless when the water was used for dietetic purposes, but decidedly injurious when it was used for washing, because the water was thereby rendered hard.

A small proportion of the total solid matters consisted of organic substances. These are always objectionable, and at times, when present in river water, they are dangerous to health. The average proportion of total solid matters was much higher in 1879 than in 1878, although the proportion in 1878 was greater than in the previous year. The deep-well waters, however, delivered by the Kent Company and by the Tottenham Board of Health contained the largest proportion of these matters; but the deep-well water supplied by the Colne Valley Company contained less than one half the quantity found in the river waters, and less than one third of that found in the Kent and Tottenham waters. This comparative freedom from saline matters is attained by adding a small quantity of slaked lime to the water before it leaves the Company's works. The process is equally applicable to all the water supplied to the Metropolis.

Tables C. and D. give the proportion of organic impurity actually present in the waters as they issue from the mains, this impurity being represented by the two

most important constituents of organic matter—carbon and nitrogen. The importance of these two tables depends chiefly on the fact that the pollution of the Thames and Lea is to a great extent of animal origin. During the past year these rivers were often much polluted by organic matters; their waters, even after the efficient filtration to which they were almost invariably subjected by the various Companies, having been only in some measure fit for dietetic purposes during the months of April, November, and December. Taking the mean proportion of organic impurity in the Thames water delivered in London in 1868 as 1,000, I find that in the subsequent years, 1879 included, the following proportions were present:—

Year.	Proportion of organic impurity present in Thames water as delivered in London.					
1868	-	-	-	-	-	1,000
1869	-	-	-	-	-	1,016
1870	-	-	-	-	-	795
1871	-	-	-	-	-	928
1872	-	-	-	-	-	1,243
1873	-	-	-	-	-	917
1874	-	-	-	-	-	933
1875	-	-	-	-	-	1,030
1876	-	-	-	-	-	903
1877	-	-	-	-	-	907
1878	-	-	-	-	-	1,056
1879	-	-	-	-	-	1,175

From this table it will be seen that, so long as these analyses have been made, the Thames water has only once been so much polluted by organic matters. In the year 1872, however, when this maximum pollution occurred, the filtration plant of several of the Companies was far less efficient than it is at present. In the absence of improved filtration, there is reason to believe that the pollution of Thames water as delivered in London during the past year would have been unprecedented. The Thames was often in high flood, even in summer, and much filthy matter from sewers, cesspools, and cultivated fields was swept into the river during those periods of the year when they are usually kept back by the absence of heavy rain. Most of the water companies have of late greatly increased the storage capacity of their reservoirs so as to avoid taking in flood water, but no practicable amount of storage could have prevented the supply of flood water to London during the past two years.

The Lea water maintained its superiority, though in a less marked degree, over that abstracted from the Thames; but in January, February, and July the New River Company sent out this water in a condition unfit for dietetic use, whilst the East London Company's water from the same source was quite unfit for such use in the months of January, February, July, August, September, October, and November. Taking, as before, the mean proportion of organic impurity in the Thames water supplied to London in 1868 as 1,000, I find in that and subsequent years, down to 1879 inclusive, the following proportions in the Lea water delivered by the New River and East London Companies:—

Year.	Proportion of organic impurity present in Lea water as delivered in London.					
1868	-	-	-	-	-	484
1869	-	-	-	-	-	618
1870	-	-	-	-	-	550
1871	-	-	-	-	-	604
1872	-	-	-	-	-	819
1873	-	-	-	-	-	693
1874	-	-	-	-	-	583
1875	-	-	-	-	-	751
1876	-	-	-	-	-	562
1877	-	-	-	-	-	596
1878	-	-	-	-	-	747
1879	-	-	-	-	-	954

During the past year, therefore, the Lea has been much more polluted by organic matters than in any previous year, the intensity of its pollution having been even greater than that of the Thames in the years 1870, 1871, 1873, 1874, 1876, and 1877.

Measured by the same standard, the organic impurity in the deep-well waters delivered in London during the last 11 years was as follows:—

1868	-	-	-	-	-	254
1869	-	-	-	-	-	312
1870	-	-	-	-	-	246
1871	-	-	-	-	-	150
1872	-	-	-	-	-	221
1873	-	-	-	-	-	250
1874	-	-	-	-	-	287
1875	-	-	-	-	-	250
1876	-	-	-	-	-	246
1877	-	-	-	-	-	243
1878	-	-	-	-	-	323
1879	-	-	-	-	-	387

Favourable as these numbers are in comparison with those representing the organic impurity of Thames and Lea water, they only very inadequately express the difference in the wholesomeness of the two classes of water. The noxious organic matters in water are in suspension, but in such a finely divided state as to render their removal by artificial sand filtration impossible. There is thus no protection against the distribution of noxious organic matter in polluted river water. Deep-well water, on the other hand, has undergone such a prolonged and exhaustive filtration through great thicknesses of porous rock as to render it extremely unlikely, if not impossible, that any portion of the organic matter still remaining in it should be of this noxious character.

Table E. shows the proportional amount of organic elements (organic carbon and organic nitrogen) in each of the waters supplied by the various companies, the average amount of these elements found in the Kent Company's water, during the nine years ending 1876 being taken as unity. According to this Table the maximum, minimum, and average proportions in each of these waters during the year 1879 were as follows:—

Sources.		Maximum.	Minimum.	Average.
Deep wells	{ Kent	- 1.8	1.4	1.6
	{ Colne Valley	- 1.6	1.2	1.4
	{ Tottenham	- 2.5	1.1	1.7
River Lea	{ New River	- 4.5	2.6	3.5
	{ East London	- 6.2	2.2	4.3
River Thames	{ Chelsea	- 5.8	2.7	4.4
	{ West Middlesex	- 8.2	1.6	5.0
	{ Southwark	- 8.6	2.8	5.2
	{ Grand Junction	- 7.8	2.7	5.0
	{ Lambeth	- 7.7	2.6	4.3

These numbers show that the river waters were much inferior in quality to the deep-well waters, which were uniformly pure and wholesome. Of the deep-well waters, that supplied by the Colne Valley Company was the best. Of the river water abstracted from the Lea, that sent out by the New River Company was the best; and of that taken from the Thames the best average supplies were furnished by the Lambeth and Chelsea Companies.

The following Table exhibits the maximum amount of organic pollution in the Thames and Lea waters from 1868 to 1879 inclusive, the average of the samples from each source in the month of greatest pollution being taken for comparison.

MAXIMUM AMOUNT OF ORGANIC POLLUTION.

THAMES.			LEA.		
Year.	Elements of organic matter in parts per 100,000.	Month in which maximum pollution occurred.	Year.	Elements of organic matter in parts per 100,000.	Month in which maximum pollution occurred.
1868	·45	January.	1868	·27	February.
1869	·60	February.	1869	·33	February.
1870	·42	January.	1870	·30	January.
1871	·52	October.	1871	·22	February.
1872	·48	January & December.	1872	·39	December.
1873	·46	January.	1873	·33	January.
1874	·37	March.	1874	·21	March.
1875	·49	November.	1875	·28	November.
1876	·44	December.	1876	·24	March.
1877	·40	January.	1877	·30	January.
1878	·36	December.	1878	·26	June.
1879	·38	February.	1879	·33	July.

Although the Thames and Lea were both much polluted during an exceptionally long period of the year, they were not so intensely polluted in any one month, as was the case in several previous years. This was no doubt owing to the more frequent scouring out of the sources of pollution of these rivers by floods. There was no long interval for the accumulation of foul matters in cesspools, sewers, and ditches.

With regard to the proportion of organic elements in the foregoing tables, I quote the following opinion of the late Rivers Commissioners from their Report on the Domestic Water Supply of Great Britain, p. 5 :—"We consider that potable water " which contains organic matter, even only partially derived from animal sources, " should not yield more than 0·1 part of organic carbon in 100,000 parts of " water." As the organic elements mentioned in the foregoing Table consisted chiefly of organic carbon, it will be seen that the maximum pollution both in the Thames and Lea greatly exceeded this standard.

The quality of the water drawn from deep wells in the chalk by the Kent and Colne Valley Companies and by the Tottenham Local Board of Health was uniformly excellent for dietetic purposes throughout the year. It is very desirable, both in the interests of temperance and of public health, that this delicious and wholesome water should, as soon as possible, be substituted for that portion of the metropolitan supply which is drawn from polluted rivers. This pure spring water is everywhere abundant in the Thames basin ; in dry seasons it constitutes the sole supply of the Thames and the Lea, and, even after the most protracted drought, more than 350,000,000 gallons of it daily flow over the weir at Teddington, whilst a further very large volume of it joins the Thames lower down. At present the inhabitants of the Metropolis can only use this water after it has been mixed with the excrements of a large population, and used for the washing of vast quantities of filthy rags in paper mills and of linen in laundries. It would be a most valuable boon to London if even a small fraction of this prodigal supply could be collected, preserved from irremediable pollution, and distributed to those portions of the Metropolis which are not at present supplied with such water by the Kent and Colne Valley Companies and by the Tottenham Local Board of Health.

Tables F. and G. need no comment.

Table H. shows the total weight of combined nitrogen, and this, after making a small correction for that present in average rain water, constitutes the total evidence both of past and present pollution by nitrogenous organic matter. During the spring and summer months, the combined nitrogen in river water is much diminished by the abundant animal and vegetable life then existing in the

streams, and consequently, as an indication of pollution, the combined nitrogen found during the autumn and winter months only should receive consideration. During the months of January, February, March, October, November, and December 1876, the average proportion of total combined nitrogen in 100,000 parts of Thames water was .312 part; in the same period of 1877 it was .291 part, in 1878 it was .270 part, and last year .281 part. The reduction is owing partly to the larger volume of water in the river and partly to the greater length of time during which the water is stored by the companies before delivery.

In the same quantity of water derived from the Lea, the average total combined nitrogen was .294 part in 1876, .277 part in 1877, .308 in 1878, and .310 part last year.

The deep well water supplied by the Kent and Colne Valley Companies and by the Tottenham Local Board is unaffected by animal or vegetable life, and the average may therefore be taken on the whole year. In 1877 it was .458 part, in 1878 it was .446, and last year it amounted to .317 part per 100,000 parts of water.

Table I. shows the quantity of chlorine found in the different samples. The results prove that the tidal waters of the Thames and Lea had, in no case during 1879, obtained entrance to the reservoirs or filters of the water companies.

Table K. contrasts the hardness of the different waters analysed; or the weight of carbonate of lime, or its equivalent of other soap-destroying substances, found in 100,000 parts of water. The average hardness of the Thames water delivered in London was 19°·8 in 1876, 19°·5 in 1877, 20°·3 in 1878, and 20°·8 in 1879; of the Lea, 20°·1 in 1876, 20°·0 in 1877, 21°·0 in 1878, and 21°·4 in 1879; of the Kent Company's water, 26°·8 in 1876, 27°·5 in 1877, 28°·4 in 1878, and 28°·4 in 1879; of the Colne Valley Company's water, 5°·1 in 1877, 7°·3 in 1878, and 6°·3 in 1879; and of the water supplied by the Tottenham Local Board, 26°·5 in 1877, 27°·3 in 1878, and 25°·6 in 1879.

All hard water *must* be softened before it can be used for washing linen; when it is softened in detail by the laundress, the operation costs, for an equal volume of water, at least eighty times as much as it costs when conducted on a large scale by a water company. The only water fit for washing delivered in London during the past year was that of the Colne Valley Company, which was softened by Clark's process before distribution.

Lastly, Table L. shows the annual average of each determination, and thus summarizes the average results of the analysis of the water supplied by each Company during the year.

The following Table gives the results of my observations in reference to the degree of efficiency of filtration of Thames and Lea water distributed by the various Companies in 1879:—

COMPANIES OR LOCAL AUTHORITIES.	Number of occasions when clear and transparent.	Number of occasions when slightly turbid.	Number of occasions when turbid.	Number of occasions when very turbid.
THAMES.				
Chelsea - - - -	9	2	1	0
West Middlesex - - -	10	2	0	0
Southwark - - - -	11	1	0	0
Grand Junction - - -	9	3	0	0
Lambeth - - - -	11	1	0	0
LEA.				
New River - - - -	10	2	0	0
East London - - - -	10	2	0	0
DEEP WELLS.				
Kent - - - -	12	0	0	0
Colne Valley - - - -	12	0	0	0
Tottenham Board of Health -	11	1	0	0

This Table shows that during the past year no Company, drawing its supply from a river, delivered water at all times in a clear and bright condition ; but the Southwark and Lambeth Companies approached nearest to uniform clearness, each of these companies having on one occasion only delivered slightly turbid water.

The natural filtration which the Kent, Colne Valley, and Tottenham deep-well water undergoes through an enormous thickness of chalk, renders artificial filtration unnecessary. Out of 36 samples of deep-well water, only one was not perfectly clear and bright, and this, which was sent out by the Tottenham Local Board of Health, was only very slightly turbid.

When examined by the microscope, the sediment deposited by turbid water on standing is generally found to contain living and moving organisms. During the year 1879 these organisms were observed in the Chelsea, West Middlesex, and East London Companies water twice, and in that of the Grand Junction Company once.

The annexed Table exhibits the results of these microscopic examinations during the past eleven years :—

Number of occasions when moving organisms were found.

	1869.	1870.	1871.	1872.	1873.	1874.	1875.	1876.	1877.	1878.	1879.
Chelsea - -	3	2	2	3	2	5	4	4	1	0	2
West Middlesex -	0	0	0	0	0	0	0	0	0	1	2
Southwark -	8	1	4	1	2	5	5	7	5	3	0
Grand Junction -	4	1	1	2	3	5	7	3	3	3	1
Lambeth - -	5	0	4	6	3	4	5	4	1	1	0
New River -	0	0	0	0	1	1	0	0	1	0	0
East London -	4	3	3	1	0	2	0	0	0	0	2
Kent - -	0	0	0	0	0	0	0	0	0	0	0
Colne Valley -	-	-	-	-	-	-	-	-	0	0	0
Tottenham -	-	-	-	-	-	-	-	-	0	0	0

I am, &c.

E. FRANKLAND.

The Registrar General, &c., &c.
Somerset House, W.C.

TEMPERATURE (in Centigrade degrees) of the METROPOLITAN WATERS, as delivered from the different Companies' Mains.

[illegible]

WEIGHT of SOLID MATTERS in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	30·30	30·62	27·70	28·64	28·16	23·82	27·60	28·90	27·80	30·08	30·56	30·72	28·74
	West Middlesex - -	28·92	28·90	30·22	28·20	30·72	25·78	28·18	30·88	29·90	31·58	30·60	32·50	29·70
	Southwark - - -	33·40	27·20	32·62	27·86	29·20	25·58	29·38	30·30	29·90	31·64	31·54	31·78	30·03
	Grand Junction - -	28·68	29·04	30·92	28·80	30·10	25·78	28·00	29·44	29·22	30·76	31·52	32·78	29·60
	Lambeth - - -	34·54	31·40	32·86	29·66	31·66	27·80	31·42	32·22	31·26	33·02	33·40	32·72	31·83
Inner Circle.	LEA.													
	New River - - -	31·86	31·24	31·82	28·60	28·34	28·26	28·74	30·48	30·30	30·16	32·62	32·40	30·40
	East London - - -	35·87	34·00	33·94	31·12	28·54	27·32	29·90	29·46	29·44	31·48	32·30	37·24	31·72
Circle.	DEEP WELLS.													
	Kent - - - - -	45·62	45·10	42·10	44·46	44·60	45·70	46·80	45·40	45·70	45·72	45·80	44·08	45·09
	Cohne Valley - - -	13·16	11·96	15·00	13·70	13·02	12·74	13·84	13·40	14·20	13·88	13·74	12·28	13·41
	Tottenham Local Board - - - - -	48·86	40·96	40·52	40·92	41·00	43·38	40·28	41·00	41·50	40·44	40·20	40·78	41·65

ORGANIC CARBON in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	*188	*195	*251	*175	*242	*137	*251	*301	*341	*270	*193	*138	*224
	West Middlesex - -	*441	*331	*240	*144	*235	*419	*338	*315	*236	*223	*077	*085	*257
	Southwark - - -	*269	*388	*216	*178	*257	*445	*336	*322	*216	*241	*137	*130	*260
	Grand Junction - -	*408	*337	*247	*138	*199	*301	*336	*325	*209	*223	*142	*170	*253
	Lambeth - - -	*234	*396	*199	*138	*212	*173	*296	*263	*215	*176	*203	*174	*223
Inner Circle.	LEA.													
	New River - - -	*221	*214	*152	*156	*149	*194	*223	*169	*152	*135	*141	*183	*174
	East London - - -	*220	*257	*198	*103	*142	*184	*326	*269	*232	*213	*259	*174	*216
Outer Circle.	DEEP WELLS.													
	Kent - - -	*085	*090	*070	*083	*087	*086	*072	*087	*099	*081	*080	*071	*083
	Colebe Valley - -	*063	*071	*076	*081	*063	*053	*061	*067	*069	*059	*060	*066	*066
	Tottenham Local Board - - - }	*049	*121	*083	*098	*087	*076	*090	*087	*063	*087	*080	*192	*085

TABLE D.

ORGANIC NITROGEN in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	*038	*038	*040	*040	*038	*023	*031	*041	*041	*027	*035	*027	*035
	West Middlesex - -	*042	*041	*052	*037	*038	*050	*057	*061	*033	*026	*020	*018	*038
	Southwark - - -	*040	*056	*065	*029	*024	*063	*052	*060	*061	*038	*037	*057	*047
	Grand Junction - -	*053	*043	*047	*022	*040	*044	*049	*044	*043	*030	*034	*036	*041
	Lambeth - - -	*043	*056	*025	*023	*036	*036	*035	*032	*025	*023	*021	*016	*031
Inner Circle.	LEA.													
	New River - - -	*040	*037	*022	*019	*026	*035	*042	*025	*046	*021	*029	*027	*031
	East London - - -	*042	*052	*037	*026	*032	*030	*039	*039	*039	*024	*037	*046	*037
Outer Circle.	DEEP WELLS.													
	Kent - - - - -	*016	*019	*017	*008	*018	*011	*013	*010	*009	*014	*013	*016	*014
	Colne Valley - - -	*017	*021	*014	*013	*018	*016	*018	*010	*012	*009	*013	*015	*015
	Tottenham Local Board - - - - -	*017	*025	*015	*025	*022	*015	*019	*005	*011	*011	*011	*015	*016

TABLE E.

PROPORTIONAL AMOUNT of ORGANIC ELEMENTS, that in the KENT Company's Water during the
Nine Years ending December 1876 being taken as 1.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	3·8	3·9	4·9	3·6	4·7	2·7	4·8	5·8	6·5	5·0	3·9	2·8	4·4
	West Middlesex - - -	8·2	6·3	4·6	3·1	4·6	7·8	6·7	6·4	4·6	4·1	1·6	1·8	5·0
	Southwark - - -	5·1	7·5	4·8	3·5	4·4	8·6	6·6	6·5	4·7	4·6	2·9	2·8	5·2
	Grand Junction - - -	7·8	6·4	5·0	2·7	4·0	5·8	6·5	6·3	4·3	4·3	3·0	3·4	5·0
	Lambeth - - -	4·7	7·7		2·6	4·2	3·5	5·6	5·0	4·1	3·4	3·8	3·2	4·3
Inner Circle.	LEA.													
	New River - - -	4·4	4·3	2·9	2·9	2·9	3·7	4·5	3·3	3·4	2·6	2·9	3·6	3·5
	East London - - -	4·4	5·2	4·0	2·2	2·9	3·6	6·2	5·3	4·6	4·0	5·0	3·7	4·3
Outer Circle.	DEEP WELLS.													
	Kent - - - - -	1·7	1·8	1·5	1·5	1·7	1·6	1·4	1·6	1·8	1·6	1·6	1·4	1·6
	Colne Valley - - -	1·3	1·6	1·5	1·6	1·4	1·2	1·3	1·3	1·4	1·2	1·2	1·4	1·4
	Tottenham Local Board - - - - -	1·1	2·5	1·7	2·1	1·8	1·5	1·8	1·6	1·3	1·6	1·5	1·8	1·7

TABLE F.

AMMONIA in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean
Outer Circle.	THAMES.													
	Chelsea - - -	*004	0	0	0	0	0	*001	0	0	0	0	0	0
	West Middlesex - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	Southwark - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	Grand Junction - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	Lambeth - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
Inner Circle.	LEA.													
	New River - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	East London - - -	*008	0	0	0	0	0	0	0	0	0	0	0	0
Outer Circle.	DEEP WELLS.													
	Kent - - -	0	0	0	0	0	0	0	0	0	0	0	0	0
	Colne Valley - - -	*003	*003	*005	0	0	0	0	0	0	0	0	0	*001
	Tottenham Local Board - - -	0	*056	*076	*063	*045	*001	*091	*113	0	*072	*064	*070	*054

TABLE G.

NITROGEN as NITRATES and NITRITES in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.				1879.												
				Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.															
	Chelsea	-	-	*150	*237	*205	*235	*252	*170	*154	*171	*102	*176	*245	*224	*194
	West Middlesex	-	-	*214	*236	*257	*223	*218	155	*147	*144	*208	*220	*307	*318	*221
	Southwark	-	-	*183	*146	*255	*234	*216	*147	*159	*175	*221	*236	*278	*341	*216
	Grand Junction	-	-	*201	*157	*252	*256	*218	156	*172	*148	*177	*219	*299	*280	*211
	Lambeth	-	-	*314	*202	*298	*247	*195	*202	*190	*233	*283	*305	*316		*267
Inner Circle.	LEA.															
	New River	-	-	*307	*317	*336	*310	*253	*221	*213	*198	*263	*257	*263	*266	*267
	East London	-	-	*306	*229	*291	*267	*205	*147	*145	*128	*166	*186	*281	*259	*218
Outer Circle.	DEEP WELLS.															
	Kent	-	-	*420	*388	*409	*476	*466	*515	*499	*459	*325	*453	*485	*387	*448
	Colne Valley	-	-	*339	*267	*404	*332	*322	*366	*393	*375	*392	*408	*328	*318	*354
	Tottenham	Local														
	Board	-	-	*549	0	*028	0	*025	*026	0	0	0	0	0	0	*052

TABLE H.

TOTAL combined NITROGEN in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	*193	*275	*245	*275	*290	*193	*186	*212	*143	*203	*280	*251	*220
	West Middlesex - -	*256	*277	*289	*260	*256	*205	*204	*205	*241	*246	*327	*336	*259
	Southwark - - -	*223	*202	*320	*263	*240	*210	*211	*235	*252	*274	*315	*378	*263
	Grand Junction - -	*254	*200	*299	*278	*258	*200	*221	*192	*220	*249	*333	*318	*252
	Lambeth - - -	*357	*258	*323	*270	*283	*231	*237	*222	*258	*306	*326	*332	*284
Inner Circle.	LEA.													
	New River - - -	*347	*354	*358	*329	*279	*256	*255	*223	*309	*278	*202	*293	*298
	East London - - -	*354	*281	*328	*293	*237	*177	*184	*167	*205	*210	*318	*305	*255
Outer Circle.	DEEP WELLS.													
	Kent - - - - -	*436	*407	*516	*484	*484	*526	*512	*469	*334	*467	*498	*403	*461
	Cohne Valley - - -	*358	*291	*422	*345	*340	*382	*411	*385	*404	*417	*341	*333	*369
	Tottenham Local Board - - - }	*566	*071	*105	*077	*184	*042	*094	*098	*011	*070	*063	*073	*121

TABLE I.

CHLORINE in 100,000 parts of the WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	1.6	1.5	1.5	1.5	1.5	1.5	1.4	1.4	1.4	1.4	1.5	1.5	1.49
	West Middlesex - -	1.5	1.5	1.5	1.5	1.6	1.3	1.3	1.5	1.4	1.4	1.5	1.5	1.47
	Southwark - - -	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.4	1.4	1.4	1.5	1.5	1.46
	Grand Junction - -	1.5	1.5	1.5	1.5	1.5	1.5	1.2	1.4	1.4	1.4	1.5	1.5	1.46
	Lambeth - - -	1.6	1.7	1.5	1.6	1.6	1.6	1.3	1.5	1.5	1.5	1.5	1.5	1.54
Inner Circle.	LEA.													
	New River - - -	1.5	1.5	1.6	1.6	1.5	1.4	1.2	1.5	1.5	1.5	1.5	1.5	1.48
	East London - - -	1.7	1.7	1.7	1.7	1.6	1.7	1.4	1.5	1.5	1.6	1.7	1.7	1.63
Outer Circle.	DEEP WELLS.													
	Kent - - - - -	2.4	2.5	2.5	2.5	2.5	2.6	2.6	2.5	2.7	2.6	2.5	2.5	2.54
	Colebe Valley - -	1.4	1.4	1.4	1.4	1.5	1.5	1.5	1.5	1.6	1.5	1.5	1.4	1.48
	Tottenham Local Board - - - }	3.3	2.8	2.8	2.9	2.7	3.0	2.9	2.8	3.0	2.9	2.8	2.8	2.90

TABLE K.

DEGREES of HARDNESS (1 deg. = 1 part of carbonate of lime, or its equivalent,) in 100,000 parts of the
WATERS.

COMPANIES OR LOCAL AUTHORITIES.		1879.												
		Jan.	Feb.	March.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Mean.
Inner Circle.	THAMES.													
	Chelsea - - -	19·7	20·9	20·3	20·0	21·5	18·3	20·3	22·7	18·9	19·1	20·6	20·8	20·3
	West Middlesex - - -	18·8	19·1	21·8	20·0	22·1	18·8	20·9	24·2	21·8	19·1	21·7	20·3	20·7
	Southwark - - -	22·4	17·7	22·1	19·4	21·8	18·3	22·1	23·6	21·2	20·0	20·0	19·4	20·7
	Grand Junction - - -	18·6	18·9	21·8	20·3	20·8	18·0	20·6	23·9	22·1	19·4	20·3	19·9	20·4
	Lambeth - - -	23·6	20·0	23·6	21·2	23·3	18·3	24·2	23·9	21·5	20·6	20·6	20·6	21·8
Inner Circle.	LEA.													
	New River - - -	21·5	20·9	21·8	20·3	22·1	19·0	22·1	23·9	20·6	19·1	20·3	20·6	21·0
	East London - - -	24·8	22·4	23·9	21·8	21·3	18·0	21·5	23·6	22·1	20·6	20·6	21·2	21·8
Outer Circle.	DEEP WELLS.													
	Kent - - -	29·4	29·4	28·1	27·5	30·6	28·5	29·4	29·5	29·0	28·1	26·6	25·1	28·4
	Colne Valley - - -	7·0	5·4	7·1	7·0	6·0	5·3	5·4	7·7	6·3	6·7	6·0	6·0	6·3
	Tottenham Local Board - - -	35·0	27·8	22·2	24·3	23·5	26·5	26·5	27·1	25·7	25·0	19·5	23·9	25·6

TABLE L.

AVERAGES FOR 1879.

The numbers in this Table relate to 100,000 parts of the Waters.

COMPANIES OR LOCAL AUTHORITIES.		Temperature in Cen- tigrade Degrees.	Total Solid Matters.	Organic Carbon.	Organic Nitrogen.	Ammonia.	Nitrogen, as Nitrates and Nitrites.	Total combined Ni- trogen.	Chlorine.	Total Hardness.	Proportional Amount of organic Elements, that in the Kent Company's Water, was present years ending Dec. 1876 being taken as 1.
Inner Circle.	THAMES.	°									
	Chelsea - - - -	9.9	28.74	.224	.035	0	.194	.229	1.49	20.3	4.4
	West Middlesex - - - -	10.0	29.70	.257	.038	0	.221	.259	1.47	20.7	5.0
	Southwark - - - -	10.1	30.03	.260	.047	0	.216	.263	1.46	20.7	5.2
	Grand Junction - - - -	9.0	29.60	.253	.041	0	.211	.252	1.46	20.4	5.0
	Lambeth - - - -	9.8	31.83	.223	.031	0	.253	.284	1.54	21.8	4.3
Inner Circle.	LEA.										
	New River - - - -	9.5	30.40	.174	.031	0	.267	.298	1.48	21.0	3.5
	East London - - - -	9.4	31.72	.216	.037	0	.218	.255	1.63	21.8	4.3
Outer Circle.	DEEP WELLS.										
	Kent - - - -	11.9	45.09	.083	.014	0	.448	.461	2.54	28.4	1.6
	Colne Valley - - - -	10.0	13.41	.066	.015	.001	.354	.369	1.48	6.3	1.4
	Tottenham Board - - - - Local }	-	41.65	.085	.016	.054	.052	.121	2.90	25.6	1.7

FIRES IN LONDON DURING THE YEAR 1879.

Captain Eyre M. Shaw, Chief Officer of the Metropolitan Fire Brigade, reported to the Metropolitan Board of Works that the number of fires attended during 1879 was 1718, showing an increase of 59 upon the number in the preceding year, and being 85 above the average in the ten years 1869–78. Nine per cent. of the fires attended in 1879 were described as serious, showing a decline from the proportion in recent years. Life was seriously endangered at 96 of the fires in 1879, and in 27 cases life was lost. The lives of 164 persons were seriously endangered, of which 132 were saved and 32 lost. The numbers of lives lost by fires in London in the three preceding years were 35, 29, and 25 respectively. Captain Shaw, in his Report, states that he feels justified in saying “that the value of property destroyed “ by fire in London has been less in 1879 than in any other year since the formation “ of the Brigade.”

The establishment of the Metropolitan Fire Brigade at the end of the year was distributed at 52 engine, 113 escape, and 4 floating stations. The number of fire engines at these stations was 153, showing an increase of 13 upon the number in the previous year; 3 were floating steam engines, 37 land steam engines, and 113 manual engines. The number of fire escapes and long scaling ladders was 130, showing an increase of 5 upon the numbers in the preceding year. The strength of the brigade was 452 of all ranks, including the chief officer and the superintendents, and exceeded by 32 the strength in the previous year. The number of firemen employed on the several watches kept up throughout the Metropolis was 104 by day and 188 by night. The cases of injury occurring in the brigade during the year were 69, which, although numerous, showed a marked decline from the numbers 90 and 83 in the two previous years.

The quantity of water used for extinguishing fires during 1879 was rather more than 16 million gallons, or about 72,000 tons; about two-fifths of this quantity was taken from the river, canals, and docks, and the remainder from the street pipes.

During the year there were 9 cases of short supply of water, 33 of late attendance of turncocks, and 18 of no such attendance, making 60 cases in which the water arrangements were unsatisfactory, against 51 and 56 in the two preceding years.

Number of Fires and of False Alarms attended during the Twelve Years 1868–79, and in each Month of 1879.

YEARS AND MONTHS.				TOTAL CALLS.	FIRES.			ALARMS.		
					Serious.	Slight.	Total.	False.	Chimney.	Total.
1868	-	-	-	—	235	1433	1668	—	—	—
1869	-	-	-	—	199	1373	1572	—	—	—
1870	-	-	-	2188	276	1670	1946	133	109	242
1871	-	-	-	2046	207	1635	1842	124	80	204
1872	-	-	-	1671	120	1374	1494	104	73	177
1873	-	-	-	1703	166	1382	1548	83	72	155
1874	-	-	-	1750	154	1419	1573	89	88	177
1875	-	-	-	1668	163	1366	1529	90	49	139
1876	-	-	-	1787	166	1466	1632	91	64	155
1877	-	-	-	1708	159	1374	1533	106	69	175
1878	-	-	-	1881	170	1489	1659	121	101	222
1879	-	-	-	1949	159	1559	1718	116	115	231
1879.	January	-	-	210	16	173	189	7	14	21
	February	-	-	136	13	109	122	9	5	14
	March	-	-	172	18	125	143	12	17	29
	April	-	-	141	9	119	123	7	6	13
	May	-	-	130	9	108	117	7	6	13
	June	-	-	153	11	126	137	11	5	16
	July	-	-	124	7	106	113	7	4	11
	August	-	-	140	13	116	129	6	5	11
	September	-	-	166	13	130	143	14	9	23
	October	-	-	156	17	115	132	14	10	24
	November	-	-	182	13	141	154	11	17	28
	December	-	-	239	20	191	211	11	17	28

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